CADE for Analysts 101

24 August 2021
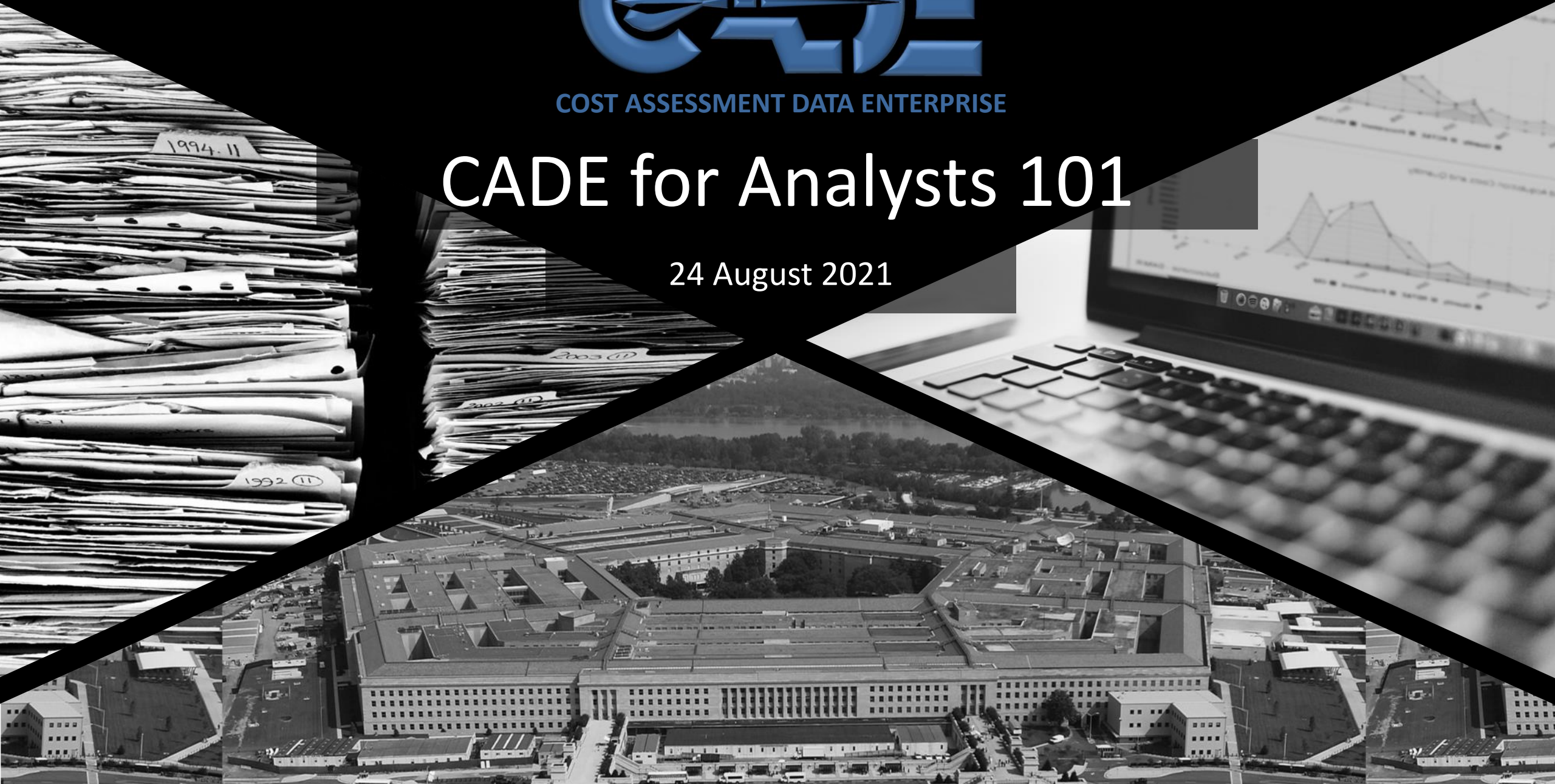
Agenda

Time	Item
1:00-1:10	Introduction / Agenda / Meet the Team
1:10-1:25	CADE Overview
1:25-1:35	Data-Driven Estimating
1:35-1:50	CADE Virtual Walkthrough
1:50-2:10	CSDR Background & Policy
2:10-2:20	CSDR Planning Process
2:20-2:25	CSDR Execution
2:25-2:40	Halftime Game / Break
2:40-3:00	CSDR Plan & Deliverables Overview
3:00-3:20	CADE Data and Analytics Access and Demo
3:20-3:25	Additional Resources and Next Steps
3:25-3:30	Conclusion / More Learning Awaits!

Learning Objectives
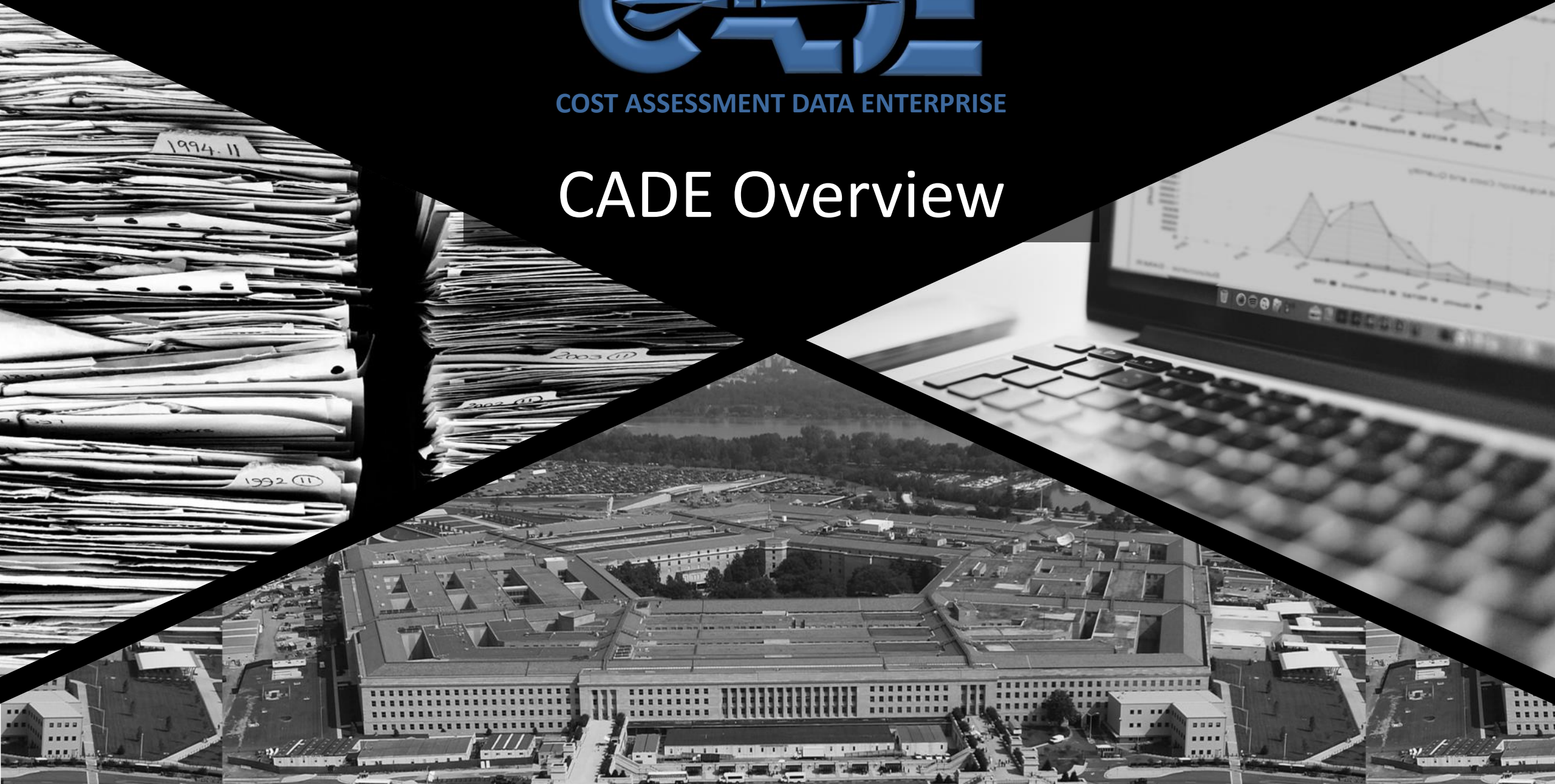
By the conclusion of this training you will be able to:

- Describe CADE and the data it stores.
- Understand the value CADE adds to analyst's effectiveness and efficiency.
- Describe the purpose of Cost and Software Data Reporting (CSDR).
- Understand policy and guidance documents for CSDR for ACAT I and Non-ACAT I Programs.
- Understand the basic types of data contained in the CSDRs.
- Review and identify the CSDR planning steps.
- Given a scenario and an assigned cost community role, recognize the responsibilities and actions required to navigate the CADE Portal to conduct an analysis of programmatic, cost, schedule, and software data for a program.

Note: This training displays example data, created for educational purposes. The numbers shown are not representative of actual contractor data.

Who We Are

The Cost Assessment Data Enterprise (CADE) is an Office of the Secretary of Defense Cost Assessment and Program Evaluation (OSD CAPE) initiative to increase analyst productivity and effectiveness by collecting, organizing and displaying data in an integrated single web-based application, improving data quality, reporting compliance and source data transparency.

CADE is **the authoritative data source** for the defense cost estimating and analysis community.

DCARC: CADE's Engine
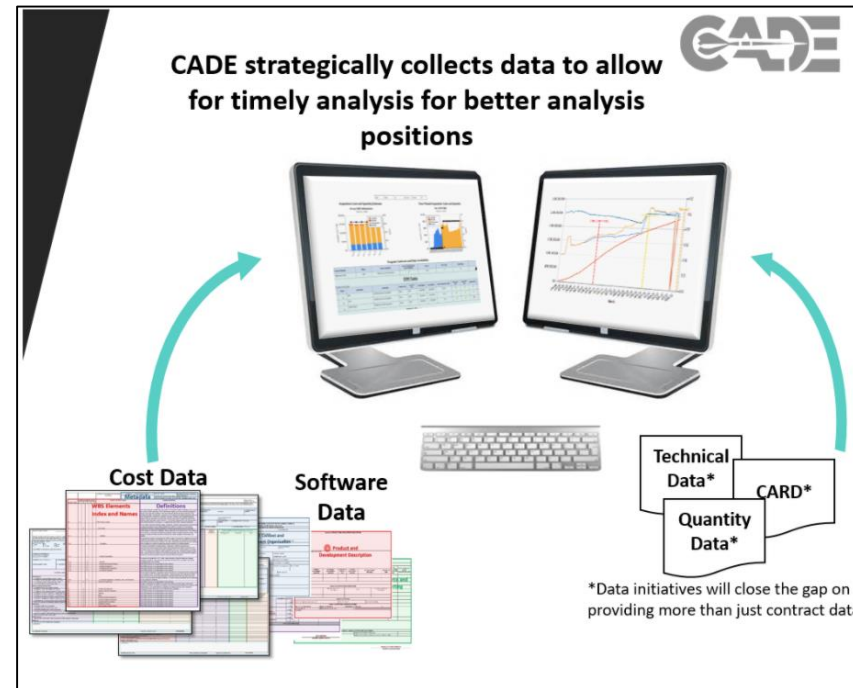
The engine that facilitates data collection

Cost Data

Software Data
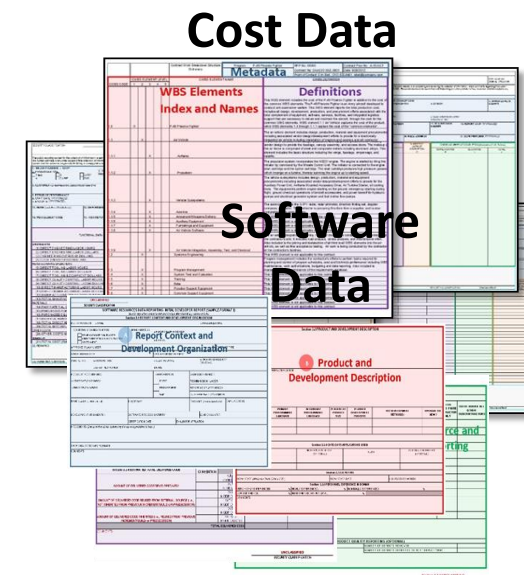
Comprehensiveness through collaboration ➡

Enforcers of structure for consistency ➡

Keepers of CSDR policies and database ➡

Facilitates all CSDR discussions ➡

What is CADE?

https://cade.osd.mil

COST ASSESSMENT DATA ENTERPRISE
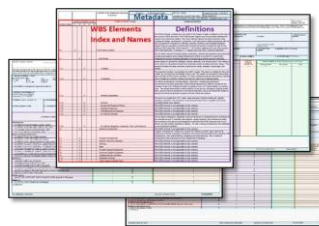
› Actuals: Cost & Technical Data

› Program and Data Situational Awareness

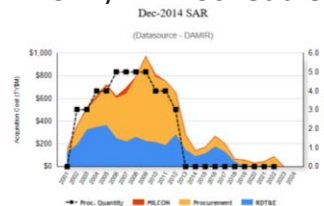› Analysis-Ready Data Downloads

› Quick-Look Visualizations

Cost
› Analysis-Ready Data Downloads
› Profit & Fee Visibility on FFP contracts
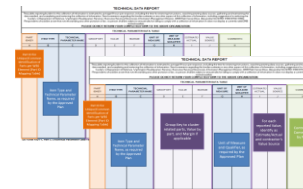› Insight into Prime and Subcontractor

Acquisition
› Completes the story of a program lifecycle cost
› Program Information
› SAR/MAR Annual Funding
› SAR/MAR Schedule

Technical
› Only place in the DoD that ties cost & technical data
› Software analysis at the CSCI level

Library
› Searchable data for historical reference at your fingertips"
  – Cost Estimates
  – Funding Memos
  – Program Briefings
  – ICEs, SCPs
  – Research Studies

Training
› Fully populated and functional "fake" CADE environment (FACADE)
  – Used in live and online training environments
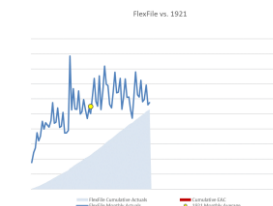
CADE is the authoritative data source for estimating and analyzing Major Defense Programs

300+ Programs   9,000+ CCDR Submissions

Trustworthy Data

Secure Data Warehousing

› Only accessible to DoD gov't employees
› Reporting contractors require an ECA certificate
› SETA contractors require an NDA for access
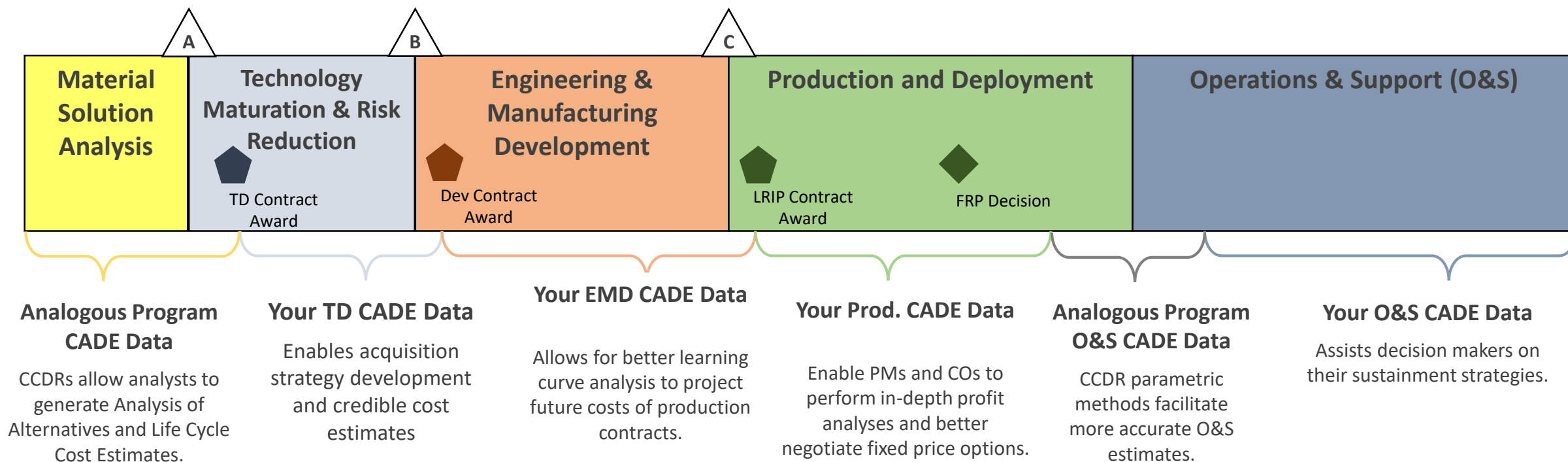› Demo website (FACADE) used for Training
› Reporting Compliance Improvement

Data Based on Actuals

› Data reviewed by PMOs, SCSs, and DCARC
› Unbiased data: Holds no favor towards government or industry
› Data are not based on estimates or guesses
› Actuals include the full scope of program complexity

Why is CADE Important?

Analogous program CADE data is critical early in a program's lifecycle.
As the program progresses, its own actual data becomes invaluable in budget formulations, contract negotiations, and source selections.

A	B	C		
Material Solution Analysis	Technology Maturation & Risk Reduction	Engineering & Manufacturing Development	Production and Deployment	Operations & Support (O&S)
	TD Contract Award	Dev Contract Award	LRIP Contract Award FRP Decision	

Analogous Program CADE Data

CCDRs allow analysts to generate Analysis of Alternatives and Life Cycle Cost Estimates.

Your TD CADE Data

Enables acquisition strategy development and credible cost estimates

Your EMD CADE Data

Allows for better learning curve analysis to project future costs of production contracts.

Your Prod. CADE Data

Enable PMs and COs to perform in-depth profit analyses and better negotiate fixed price options.

Analogous Program O&S CADE Data

CCDR parametric methods facilitate more accurate O&S estimates.

Your O&S CADE Data

Assists decision makers on their sustainment strategies.

Enterprise Stakeholders

The Office of the Secretary of Defense

The Office of Cost Assessment and Program Evaluation (CAPE) provides independent analytic advice on all aspects of the defense program, including alternative weapon systems and force structures, the development and evaluation of defense program alternatives and the cost-effectiveness of defense systems.

Service Cost Centers

The Service Cost Centers are integral to the collaborative vision of all CADE initiatives and are the Service leaders of the cost community. They partner with CAPE on data collection initiatives and lead and contribute to CADE's most strategic initiatives.

- **Deputy Assistant Secretary of the Army-Cost and Economics**
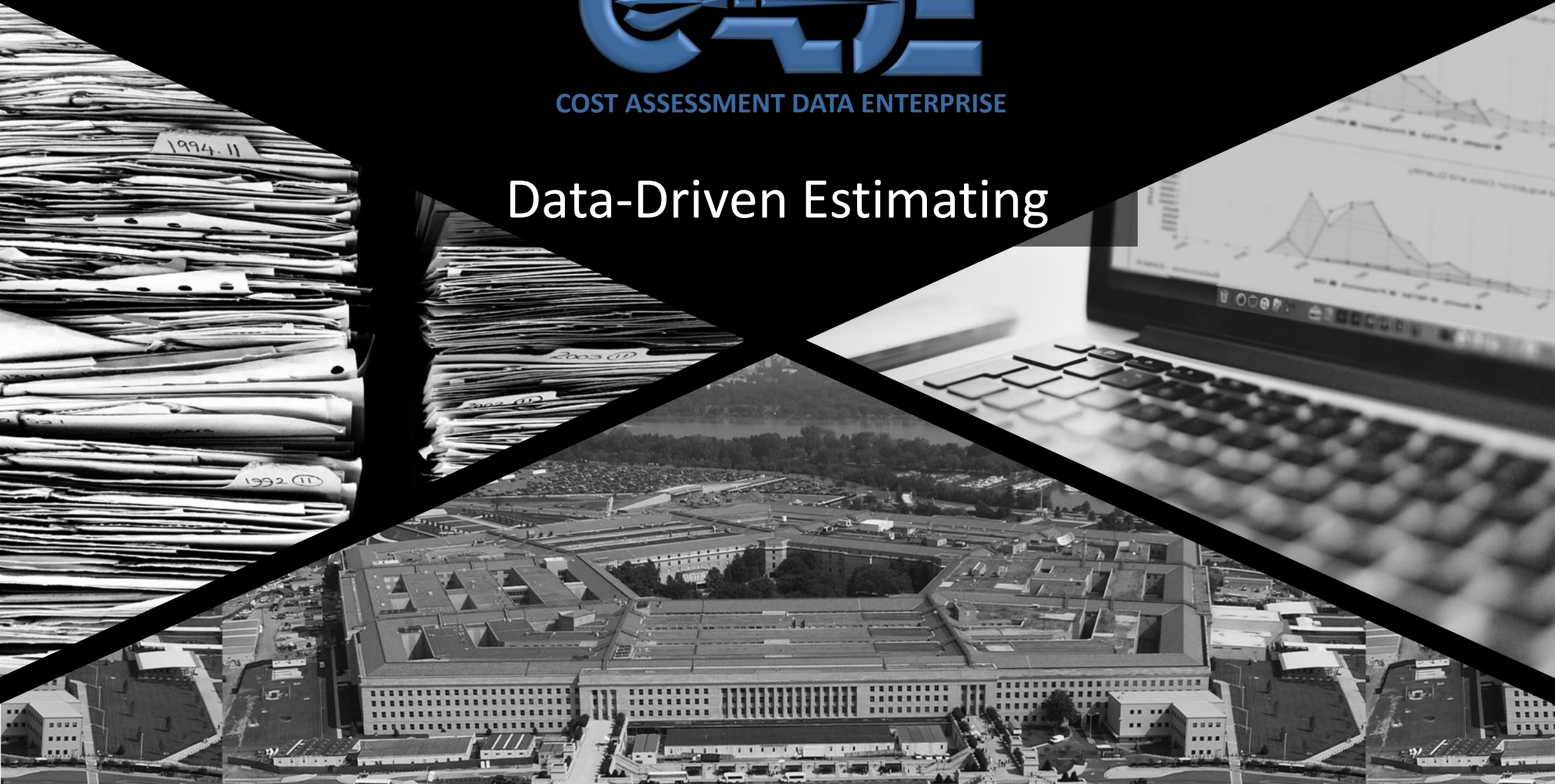- **Air Force Cost Analysis Agency**
- **Naval Center for Cost Analysis**

Key Collaborators

Data-Driven Estimating

- **Definition**
  - [Cost and Schedule] Estimates predicated on *authoritative*, *primary source*, *objective* data
  - Replace "Expert Opinion" with "Expert Judgment"

- **Importance**
  - Cost analysis "-ilities": Actionable, defensible, reasonable, traceable, timely...
  - Decision Support Processes: Acquisition, Budget (PPBE), Requirements (JCIDS)
  - Shift the conversation from data ("Who got the right/better data?") to analysis...and normalization
  - What we were supposed to be doing all along!

- **What happens when we don't get (or use) the data?**
  - No good basis of estimate (BOE) for multi-billion-dollar program
  - Unable to validate Multi-Year Procurement (MYP)
  - Excessive (sub)contractor profit

Preaching to the choir, we know...

Implications of "Data-Driven"

- ***Systematizing*** **data collection becomes more important**
  - *Ad hoc* is less reliable and less efficient
  - Look for opportunities to "bottle" the good stuff
  - Pay It Forward – be part of the Solution, not the Problem!

- ***Centralizing*** **data collection becomes more important**
  - Force multiplier in space (CAPE, SCA, SYSCOM, PEO,…) and time (MS A, B, C,…)
  - Expanding to non-ACAT I programs and Middle Tier Acquisition (MTA)

- ***Collaborating*** **around data becomes more important**
  - Identifying anomalies, providing context (cf. Cost IPT)
  - The proverbial "Wiki"

Planning → **Collection** → **Normalization** → **Estimation** → **Reconciliation**
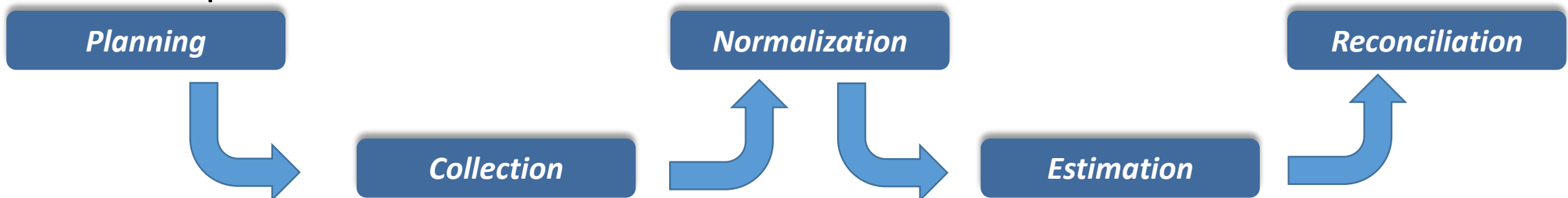
Data Types and Sources – Four Pillars/Big Six

Data Type	Source	URL	NEW! Developments
Acquisition	Defense Acquisition Visibility Environment (**DAVE**) / Defense Acquisition Management Information Retrieval (**DAMIR**)	https://dave.acq.osd.mil/	**Selected Acquisition Report (SAR)** Database in CADE [Jan 2019]
Cost	Contractor Cost Data Reporting (**CCDR**) Visibility and Management of Operating and Support Costs (**VAMOSC**)	https://cade.osd.mil/	**FlexFiles** [May 2019] **Enterprise VAMOSC** [TBD]
EVM	Integrated Program Management Data Analysis Reports (**IPMDAR**)	https://www.acq.osd.mil/evm/	**EVM-CR** Migration [Apr 2019]
Technical	Software Resources Data Reporting (**SRDR**) / *Technical Data Report (**TDR**) / Quantity Data Report (**QDR**)*	https://cade.osd.mil/	**QDR** [May 2019] **SRDR Database** [TBD]
Budget	Defense Resource Data Warehouse (**DRDW**) / Defense Repository for Common Enterprise Data (**DRCED**) aka **ADVANA**	https://advana.data.mil/	**Budget Analytics** [Jan 2019]

Data Types and Sources – Additional

- **Contracts**
  - Contracts Database (KDB), price and schedule by CLIN and Mod
  - Available in CADE Data & Analytics – **DTM Hub**
- **Rates**
  - Contractor Business Data Report (CBDR), DD Form **1921-3** – updated DID
  - DCMA Contract Business Analysis Repository (CBAR)
- **Sustainment / Operating and Support (O&S)**
  - Functional Cost-Hour Report, DD Form 1921-5 → FlexFile
  - Maintenance and Repair Parts (**M/R**) Report
- **Schedule**
  - SAR Schedule Events (limited Normalization), Key Events, IMS (hanging file)
- **Risk**
  - SAR Variance Tables – bulk export from **SAR Database**
  - SRDR paired data, Initial vs. Final for SLOC and Effort – **SRDR Database**

Other Cost-Related Data

- **Inflation**
  - Indexes and Guidance on **Downloadable Tools** page
  - Inflation and Escalation videos on **YouTube** (!), CADE Training channel
  - *CADE eschews automated inflation adjustments (cf. VAMOSC)*

- **Estimates**
  - ICEs, SCPs, POEs in CADE **Library / PRG-SR**
  - Facilitate documentation and reconciliation
  - *Never base an estimate on an estimate!*
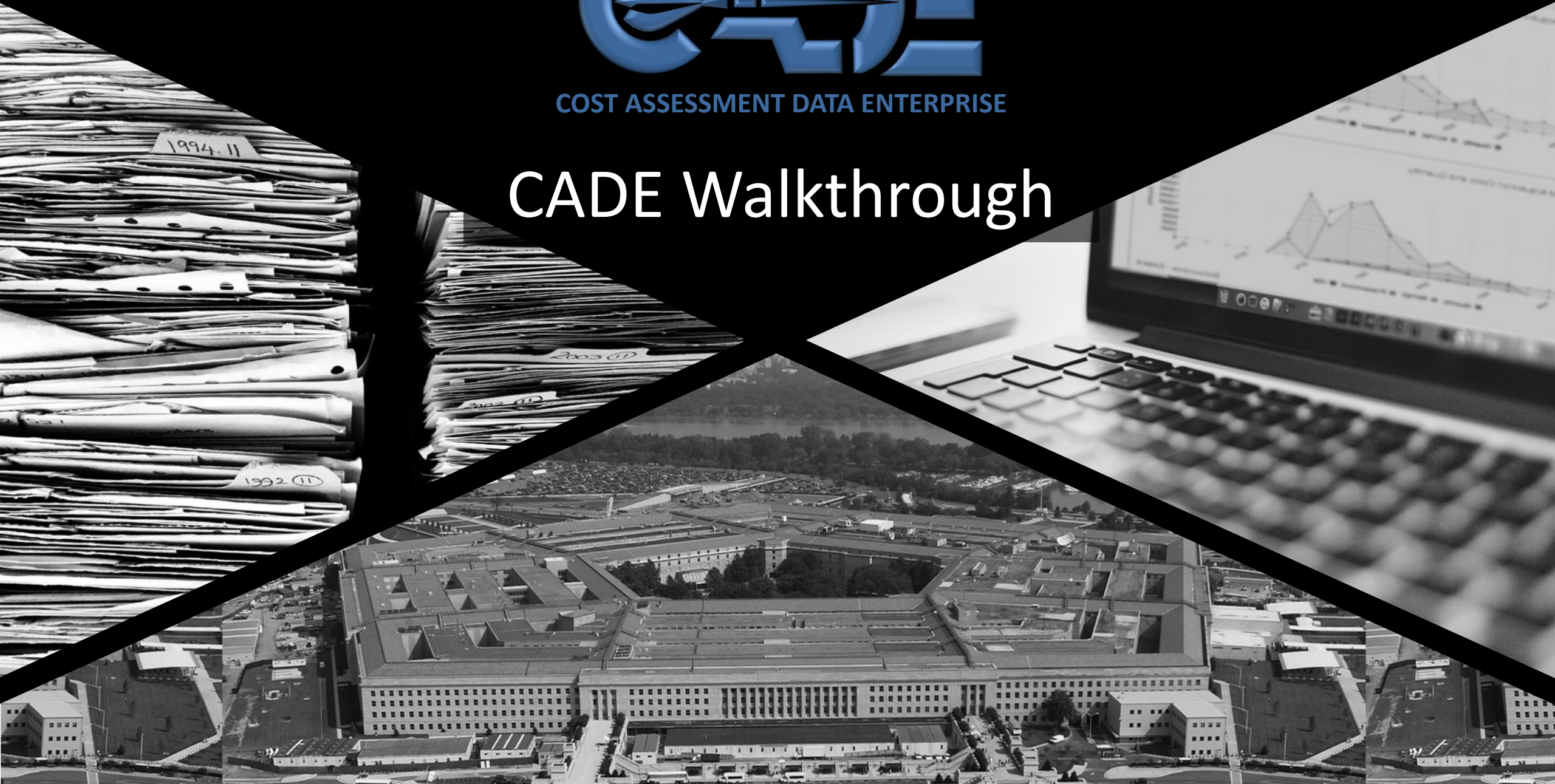
- **Program Definition**
  - Cost Analysis Requirements Description (CARD) in CADE **Library / PRG-SR**
  - Shift to "tabular" CARD, annual updates

But is it data?!

CADE Navigation Principles

- **CADE Public**
  - https://cade.osd.mil/ – links to CADE Portal and FACADE
  - **Includes Policy, Training, and other resources**

- **CADE Portal**
  - Requires Certificate – **CAC** (Government) or **ECA** (Industry)
  - Customizable **Dashboard** and access to **Apps** via (collapsible) left-hand sidebar

- **Dedicated Apps**
  - "Local" databases – **SAR** (Acquisition), **SRDR** (Software)
  - "Unique" data types – **CARD** (Baseline), **1921-3** (Business Base)
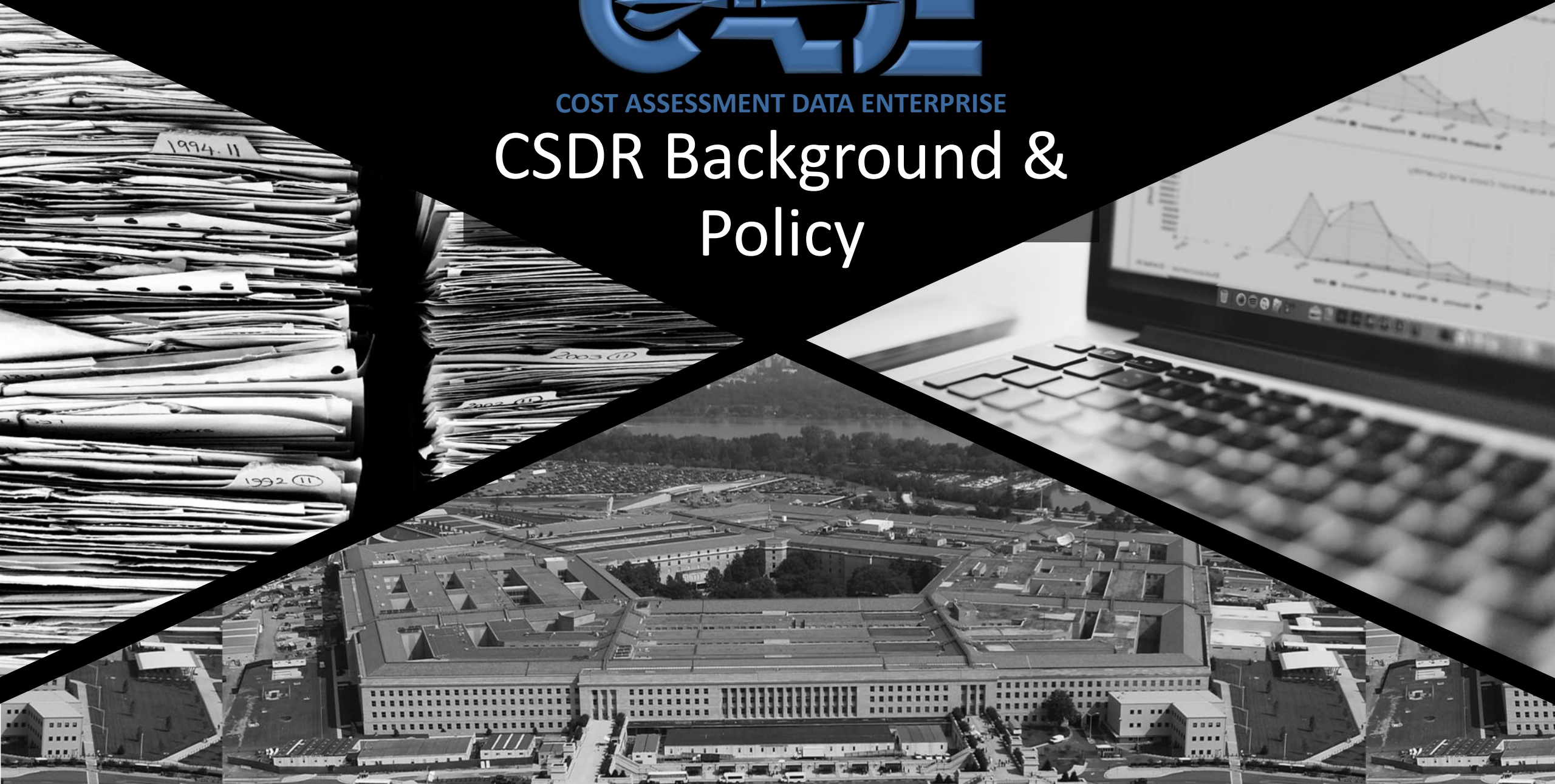
- **Data & Analytics**
  - "Anchor store" of the mall – CSDR "one-stop shop" = **CSDR Browse**
  - Data by Program
  - Access to endorsed databases (**DTMHub**) and artifacts (**Libraries**)

Types of CSDRs – FlexFiles

Maintenance and Repair (M/R)
List of touch maintenance events, with dates, durations, maintenance cause codes, planned or unplanned, etc. and a list of parts consumed during those maintenance events.

Cost and Hour Report (FlexFile)
Actual cost and hours according to government standard categories and contractor native structures.

FlexFile 101

Software Resource Data Reports (SRDRs)
Size, schedule & effort on data on software development

Quantity Data Report
Ties the necessary quantity information to the FlexFile

Technical Data Report
Provides context to the cost data by systematically capturing technical data parameters on contracts

Contractor Business Data Report (DD 1921-3)
Direct & Indirect cost, hour & employee data by functional category for a Contractor Business Unit

CSDR Plan
(DD 2794)

>$50M

>$50M

>$20M

>$50M

>$50M

>$250M

>$50M = contract reporting threshold
>$20M = scope reporting threshold
>$250M = business entity contracts reporting threshold

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Types of CSDRs – Legacy

Cost Data Summary Report (DD 1921)
Summary cost data for all elements on approved contract CSDR plan

Contract Work Breakdown Structure Dictionary (CWBS)
Lists all contract data reporting elements with definitions of technical, work, and cost content (recurring vs. nonrecurring by functional category)

Functional Cost-Hour Report (DD 1921-1)
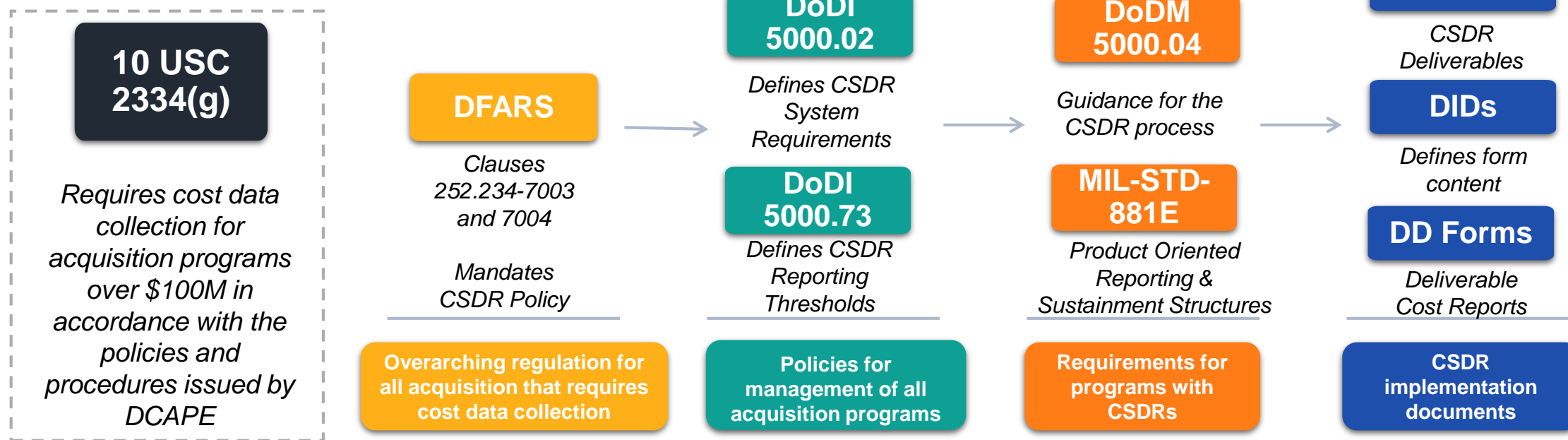Cost and hour data for specific elements broken down by functional category

CSDR Plan
(DD 2794)

Progress Curve Report (DD 1921-2)
Lot or Unit reporting of direct recurring costs to date for specific hardware elements

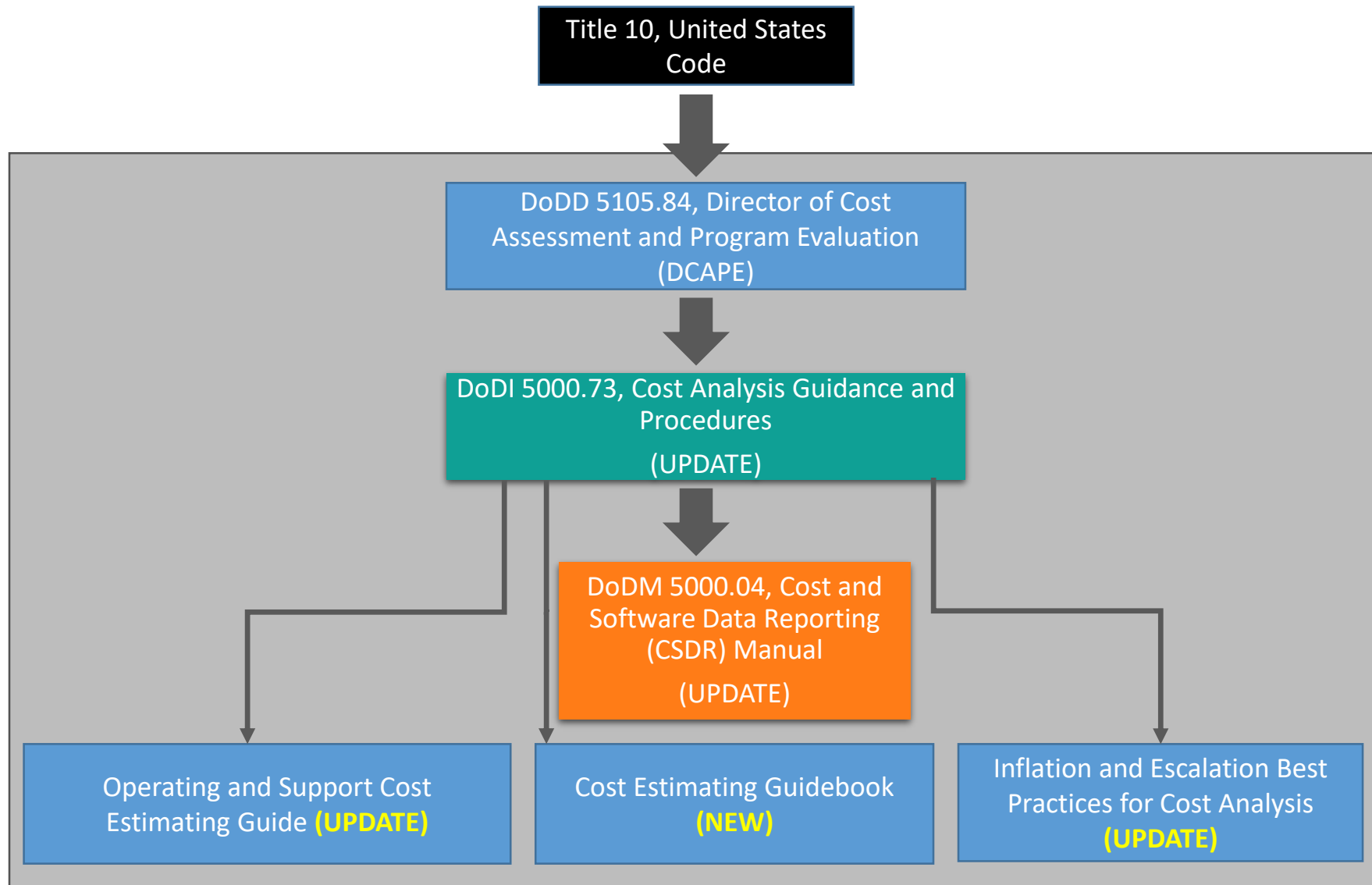**Sustainment Functional Cost Hour Report (DD 1921-5)**
Cost and hour data for specific elements broken down by functional category
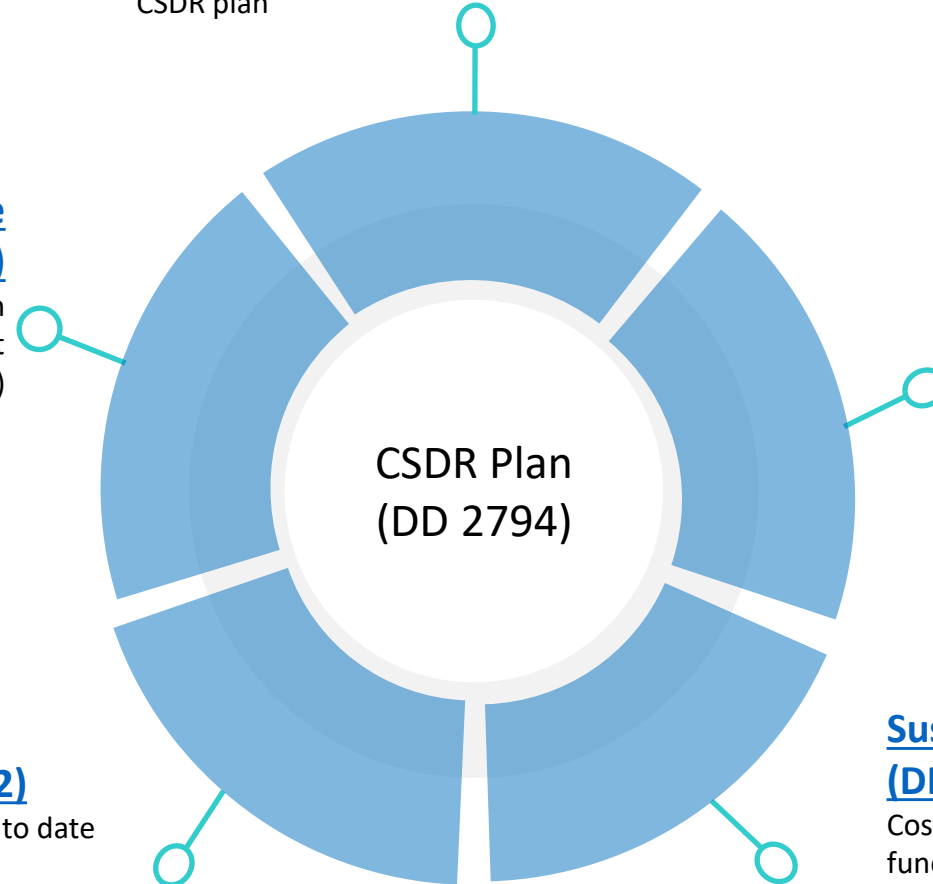
If utilizing legacy reports, these CDRLs take the place of FlexFile and Quantity Data Report

See "CSDR Deliverable Cheat Sheet" for reporting thresholds

Why Should You Comply?

It's The Law

10 USC 2334(g)

Requires cost data collection for acquisition programs over $100M in accordance with the policies and procedures issued by DCAPE

DFARS

Clauses 252.234-7003 and 7004

Mandates CSDR Policy

Overarching regulation for all acquisition that requires cost data collection

DoDI 5000.02

Defines CSDR System Requirements

DoDI 5000.73

Defines CSDR Reporting Thresholds

Policies for management of all acquisition programs

DoDM 5000.04

Guidance for the CSDR process

MIL-STD-881E

Product Oriented Reporting & Sustainment Structures

Requirements for programs with CSDRs

CSDR Plan

CSDR Format and Schedule

CDRLs

CSDR Deliverables

DIDs

Defines form content

DD Forms

Deliverable Cost Reports

CSDR implementation documents

Systematic cost data collection is necessary for program stability

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Why Should You Comply?

Title 10, United States Code

DoDD 5105.84, Director of Cost Assessment and Program Evaluation (DCAPE)

DoDI 5000.73, Cost Analysis Guidance and Procedures (UPDATE)

DoDM 5000.04, Cost and Software Data Reporting (CSDR) Manual (UPDATE)

Operating and Support Cost Estimating Guide (UPDATE)

Cost Estimating Guidebook (NEW)

Inflation and Escalation Best Practices for Cost Analysis (UPDATE)

What is stated in the DFARS?

Mandates CSDR Policy

DFARS

Subpart 234.7100 Cost and Software Data Reporting

Overarching regulation for all acquisition that requires cost data collection

DoDI 5000.02

Operation of the Defense Acquisition System

DoD 5000.04

CSDR Manual

Clause 252.234-7003 – Notice of CSDR reporting (What is included in the RFP and What is included in the Proposal)

Clause 252.234-7004 – CSDR System (Execution and Subcontract flow down)

Subpart 242.503-2b – CSDR discussion at the post award meeting

ACAT I Requirements - DoDI 5000.02 dated January 7, 2015

All ACAT I programs, for any contract or subcontract over $50M

Any contract providing equipment or service to an ACAT I (GFE)

Any high risk/technical/interest contract between $20M -$50M as determined by CWIPT, Program Manager, or DDCA

Any software development contract or subcontract over $20M

Any sustainment contract, regardless of ACAT, over $50M

Table 7. CSDR System Requirements

REQUIRED REPORT	WHEN REQUIRED	SOURCE
Contractor Cost Data Report (CCDR)	• All major contracts[1] and subcontracts, regardless of contract type, for ACAT I and IA programs and pre-MDAP and pre-MAIS programs subsequent to Milestone A approval, valued at more than $50 million[2] (then-year dollars). Reporting is continued even if a program has been downgraded from an ACAT I or IA, unless waived by DCAPE. • Not required for contracts priced below $20 million (then-year dollars). • The CCDR requirement on high-risk or high-technical-interest contracts priced between $20 million and $50 million is left to the discretion of the DoD Program Manager and/or the Deputy Director, Cost Assessment (DDCA). • Required for major components (i.e., government furnished equipment) of an ACAT I program that are managed by the Services as ACAT II or ACAT III, and if the contract value exceeds $50 million or if determined to be a high-risk or high-technical-interest contract priced between $20 million and $50 million by the Program Manager and/or the DDCA. • Not required under the following conditions, provided the DoD Program Manager requests and obtains approval for a reporting waiver from the DDCA: procurement of commercial systems or procurement of non-commercial systems bought under competitively-awarded firm fixed-price contracts, as long as competitive conditions continue to exist.	DoD 5000.04-M-1 (Reference (at)) This instruction
Software Resources Data Report (SRDR)	• All major contracts[1] and subcontracts, regardless of contract type, for contractors developing or producing software elements within ACAT I and IA programs and pre-MDAP and pre-MAIS programs subsequent to Milestone A approval for any software development element with a projected software effort greater than $20 million (then-year dollars). • The SRDR requirement on high-risk or high-technical-interest contracts priced below $20 million is left to the discretion of the DoD Program Manager and/or the DDCA.	DoD 5000.04-M-1 This instruction
Contractor Business Data Report	• Required for all contractor business entities (e.g., plant, site, or business unit) responsible for contracts with CSDR requirements.	DoD 5000.04-M-1
Contractor Sustainment Report	• All major contracts[1] and subcontracts, regardless of contract type, valued at more than $50 million[2] (then-year dollars).	SEC. 832 of P.L. 112-81 (Reference (v)) DoD 5000.04-M-1

Notes:
1. For CSDR purposes, the term "contract" (or "subcontract") may refer to the entire standalone contract, to a specific task or delivery order, to a series of tasks or delivery orders, to a contract line item number, or to a series of line item numbers within a contract. The intent is to capture data on contractual efforts necessary for cost estimating purposes irrespective of the particular contract vehicle used. All contracts for the procurement of end items, software, or services to support the acquisition of MDAP and MAIS programs (or ACAT II and III programs which meet the above thresholds) must include the Data Item Descriptions (DIDs) and Contract Data Requirements Lists necessary for the reporting of CSDR data.
2. For CSDR purposes, contract value will represent the estimated price at contract completion (i.e., initial contract award plus all expected authorized contract changes) and be based on the assumption that all contract options will be exercised.
3. CSDR is further discussed in section 4 of Enclosure 10.

DoDI 5000.73 update

- Approved by DCAPE, dtd 13 Mar 2020
  - 1st update since 2015)
- Alignment with Acquisition Pathways
  - **Major Capability Acquisitions** – traditional MDAPs
  - **Middle Tier of Acquisition (MTA)** Programs – aka Section 808
  - **Defense Business Systems (DBS)** – Artist Formerly Known As MAIS
  - **Contracted Services**
  - **Software**
- Importance of uploading documentation to CADE Library
- Clear CSDR reqts by Acquisition Pathway
  - In a nutshell, ACAT I *and* II level programs
- Access via https://cade.osd.mil/News/blog

Table 1 replaces DoDI 5000.02 *Table 7*

REPORT REQUIRED	WHEN REQUIRED
Contractor Cost Data Report	**ACAT I-II Programs** • All contracts, subcontracts, government-performed efforts, and major components (i.e., government furnished equipment), including FMS and programs in sustainment, regardless of acquisition phase and contract type, including non-FAR agreements, valued at more than $50 million, then-year dollars, for current and former ACAT I – II programs. • High-risk or high-technical-interest, as determined by the CSDR plan approval authority, or software contracts priced between $20 million and $50 million, then-year dollars.

CSDR applies to more programs than ever!

2020 Update to DoDI 5000.73

MIDDLE TIER OF ACQUISITION

- *Rapid Prototyping Programs*
  - CAPE or Service Cost Agency (SCA) conducts life-cycle cost estimates for programs likely to exceed acquisition category (ACAT) I thresholds
  - Estimates for programs that do not exceed the ACAT I threshold must be conducted in accordance with guidance issued by the relevant SCA

- *Rapid Fielding Programs*
  - CAPE or the SCA conducts life-cycle cost estimates for programs likely to exceed ACAT I or II thresholds
  - DoD Components must conduct life cycle cost estimates for rapid fielding programs that do not exceed the ACAT II threshold in accordance with guidance issued by the relevant SCA

COST ASSESSMENT DATA ENTERPRISE

CSDR Planning Process

Major Terminology Overview

CSDR Term	Definition
Cost	The expense incurred for creating a product or service being sold by a company. The amount it takes the contractor to produce the item in terms of labor, material, overhead, etc.
Price	The amount a customer is willing to pay for a product or service. The difference between the price paid and the costs incurred is the profit/fee.
CWIPT	The Cost Working-Group Integrated Product Team (CWIPT) is a cross-organizational group responsible for preparing CSDR plans and plan revisions, reviewing CSDR plan waiver requests, and providing recommendations to the CSDR plan approval authority. It is composed of team members from CAPE (whose participation is required for programs that exceed the ACAT I dollar threshold), the SCA, the PMO, DCARC, and other organizations, as needed and recommended by CAPE, the SCA, and the PMO.
DDCA	The Deputy Director of Cost Assessment (DDCA) establishes CSDR policies, procedures, and processing requirements, is the CSDR plan approval authority for all programs that exceed the acquisition category (ACAT) I dollar threshold, and adjudicates requests for data collection waivers from the DoD Components.
Contract	Any prime contract with the U.S. Government that requires joint participation with other prime contractors to accomplish the government requirement. Joint participation involves the potential sharing of information, data, technical knowledge, expertise, and resources. Such participation is intended to ensure the greatest degree of cooperation to meet the terms of the contract in satisfying the common requirement.
Subcontract	Any agreement, purchase order, or instrument other than a prime contract calling for work for the material required for the performance of one or more prime contracts. It usually covers procurement of major components of subsystems that require the subcontractor to do extensive design, development, engineering, and testing to meet a prime contractor's procurement specifications.
Recurring	CSDRs require reporting separated by recurring costs. See handout for definition.
Nonrecurring	CSDRs require reporting separated by nonrecurring costs. See handout for definition.
Work Breakdown Structure	CSDRs require bucking of costs in defined reporting elements. See handout for definition.
Functional Category	CSDRs require the costs broken out into functional categories. See handout for definition.

Roles & Responsibilities

DOD PROGRAM MANAGEMENT OFFICES (PMO) / CONTRACTING AGENCY
- ❖ Notifies CAPE and the CWIPT of upcoming contracts or actions requiring CSDRs
- ❖ Incorporate an approved CSDR plan into a solicitation (e.g., RFP) or agreement
- ❖ Works with other members of the CWIPT to prepare CSDR plans and plan revisions
- ❖ Ensures that CSDRs are submitted in a timely manner pursuant to approved CSDR plans

COST WORKING-GROUP INTEGRATED PRODUCT TEAM (CWIPT)
- ❖ Made up of OSD CAPE, Applicable Component Cost Centers, and System Commands
- ❖ Implement the processes and procedures CSDR Manual and, as appropriate, develop DoD Component guidance
- ❖ Identify and advise the DoD PM of cost analysis requirements for programs and contracts to facilitate the preparation of timely, high-quality cost estimates
- ❖ Review all DoD Component CSDR plans and plan changes to ensure usability

DEFENSE COST AND RESOURCE CENTER (DCARC)
- ❖ Responsible for facilitating the development of CSDR plans
- ❖ The primary office for final receipt, validation, acceptance, and distribution of CSDRs
- ❖ Administers the CSDR system (CADE) for all ACAT I and IA programs and serves as the repository for all CSDR data

CADE 201

	Pre-Plan	Plan Development	Approval	Contract Award and Validations

RFP Identified

Initial Plan Drafted

DCARC/CAPE Review

Program Office Approves

CWIPT Review

SCC Director Review

DCARC Director Review

DDCA Director Review

Dissemination to CWIPT

Include in RFPs for Contractors

CSDR Readiness Review

Validation of Cost Reports

RFP Release

Contract Award

60 days to RFP

46 days to RFP

60 days post award

Legend:
- Service Component POC
- Program Office
- OSD CAPE
- Service Cost Center POC
- DCARC
- Contractors
- CWIPT

CSDR Plan Package

➢ **Prepare CSDR Plan Package for Approval 60 – 180 days prior to RFP release**

- Plan package should include the following documents for **NEW** contracts:
  - Contract Plan (Form 2794)
  - CSDR CDRLs
  - Program Schedule
  - Statement of Work (SOW)
  - Subcontractor Plan (Form 2794)
  - Plan Package Template
  - Contract Resource Distribution Table (RDT)

- Plan package should include the following documents for **REVISED** contracts:
  - Updated Contract Plan (Form 2794)
  - Latest Program Schedule
  - Plan Package Template
  - Updated Contract Resource Distribution Table (RDT)

Prepare and submit to DCARC for upload into CADE And to begin the review/approval process

Post Award Conference
CADE 201

Why have a Post Award Conference?

DFARS Requires it! 242.503-2 Post Award Meeting procedure

✓**The Post Award Conference…**

- Can be pre or post-contract award for potential or actual offeror has questions about CSDR plan.

- Is often the first chance Contractor and CWIPT members have to review a CSDR plan together.

- Gives Contractor and CWIPT members an opportunity to ensure a common understanding of CSDR plan requirements.

- Gives Contractors an opportunity to propose changes to the CSDR plan so that it will better reflect their technical approach and/or tailor reporting to their accounting system.

- Is organized by the program office but DCARC and CAPE can lead the meeting (we have a meeting guide online!)

> *Productive Post Award Conferences make CSDR collection easier for reporting entities and results in better data for the Government.*
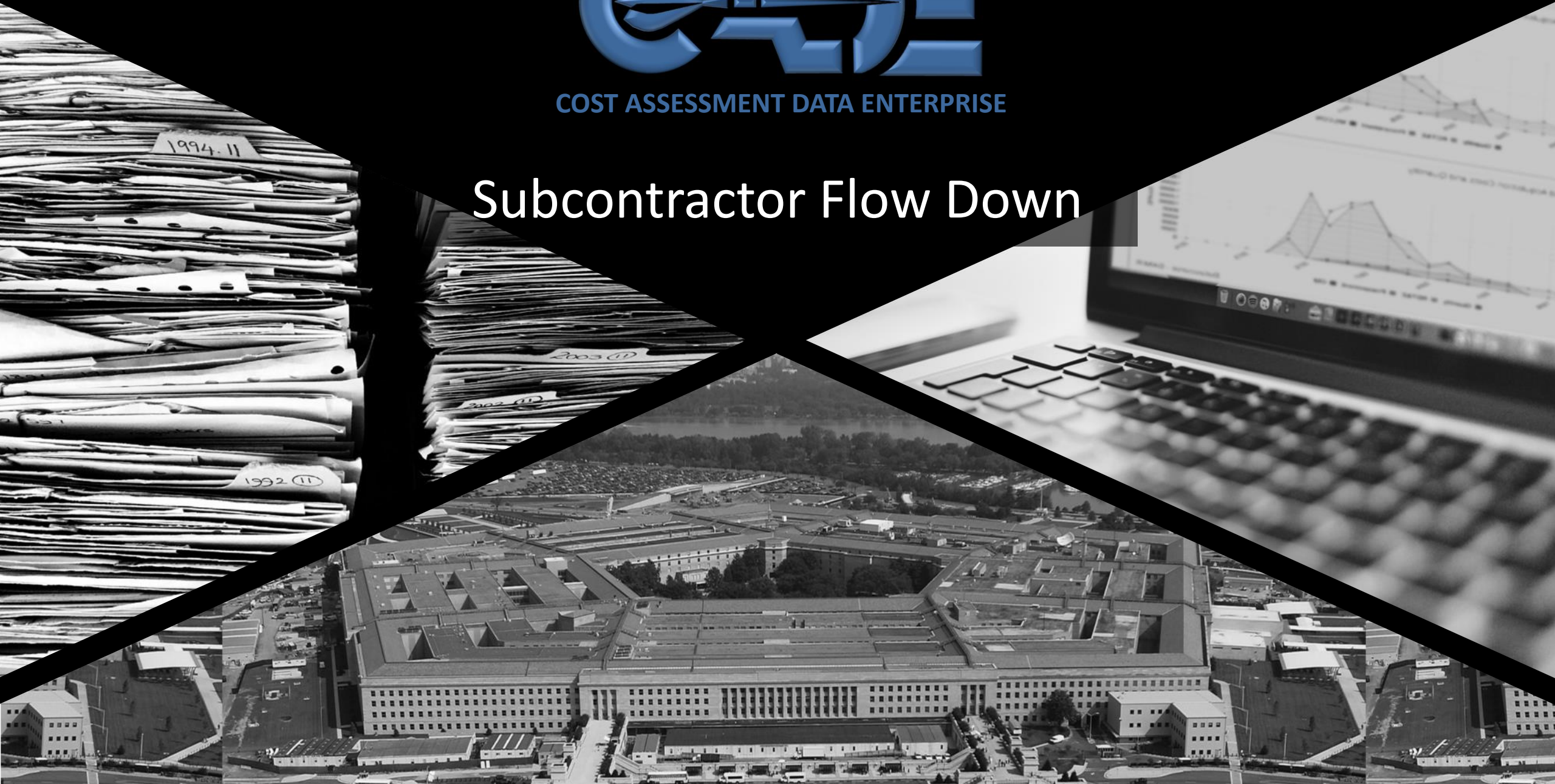
CSDR Subcontractor Flow-Down

Prime contractor is required to flow-down CSDR requirements

- Subcontractors to the Prime contractor may also be required to provide CSDR data if their portion of the prime contract exceeds $50M

- The RDT is provided by the Prime contractor at its Post Award Conference and the CWIPT identifies subcontractors that will be required to be direct reporting subcontractors

CSDR subcontractor flow-down and reporting via the RDT is a persistent contractual requirement:

The RDT identifies...

- The total anticipated contract value between the prime and any subcontractors;

- Identifies which subcontractors are performing work to accomplish each CSDR WBS element.

- The RDT does not have a prescribed DD Form format/DID. cPet (which is a CSDR support software) can generate a template

Prime Contract → $700M

Tier 1 Subs

$5M $18M $200M

Other subs do not collect data via CSDRs since they are below the threshold

Needs subcontractor CSDR plan and reported as Direct Reporting Sub for prime

Tier 2 Subs

$4M $12M $55M

Tier 3 Subs

$3M $10M $20M
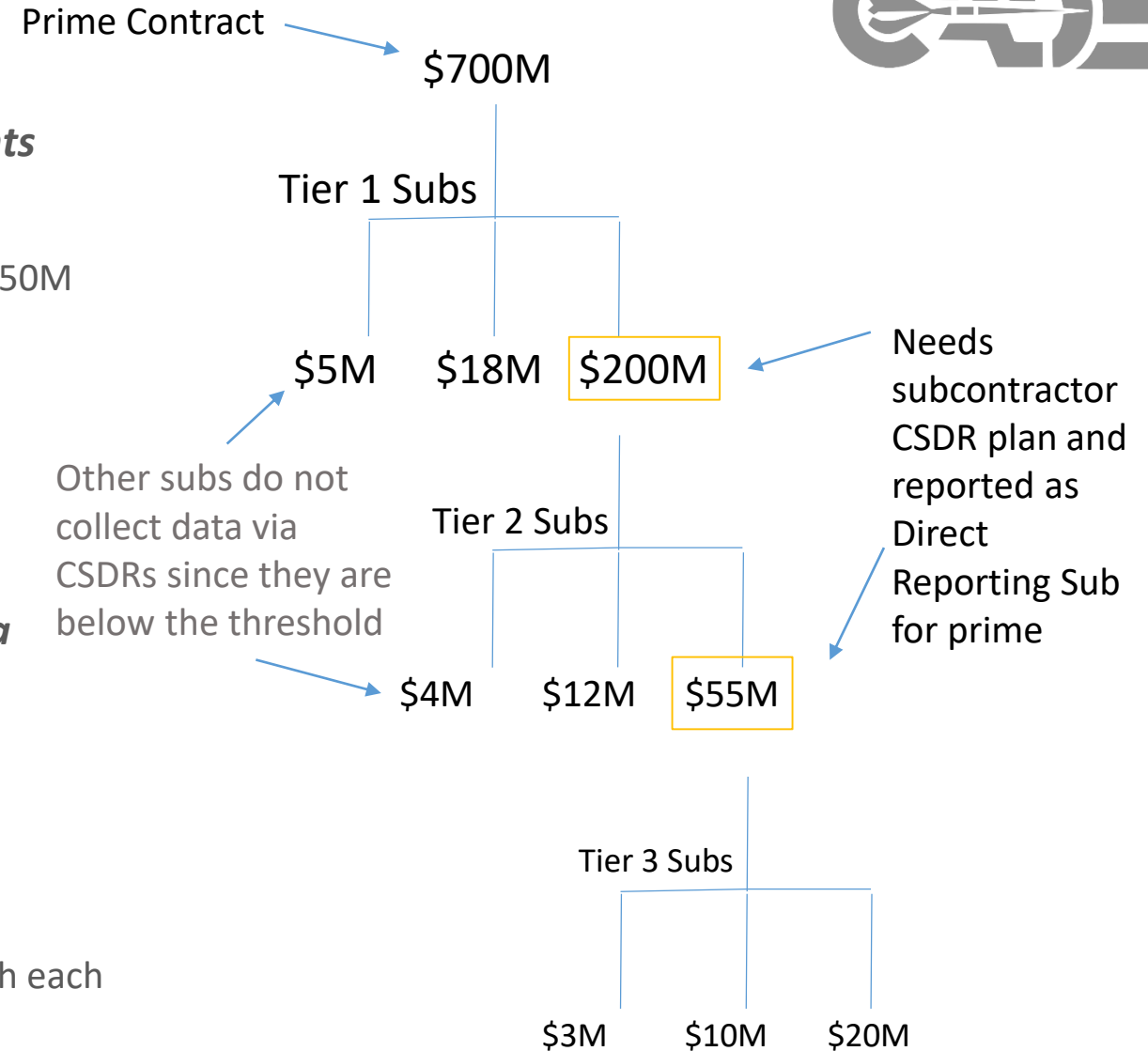
CADE 201

COST ASSESSMENT DATA ENTERPRISE

CSDR Plan

DD 2794

CSDR Plan (DD 2794)

Pg. 1, Metadata

- Program Information
- Contract Information
- Reporting Information

Pg. 2, Reporting

- Define reporting WBS
- Indicate where actual and forecast cost data is required
- Indicate which elements require certain report types

Pg. 3, Events

- Indicate when and which reports are required
- Indicate the frequency and submission of reports

Pg. 4, Remarks

- Enter any pertinent remarks about the CSDR Plan that help explain or clarify any of the reports

Pg. 5, Scope Def

- Indicate the Order/Lots and End Items that the contractor will be tagging the reported dollars and hours to
- Require Unit Reporting in box 18c if the CWIPT required unit cost reporting

Pg. 6, SRDR Dev

- Define software releases and CSCIs
- Link software product size reporting elements to Reporting tab
- Link software product size submissions to Events tab

Pg. 7, SRDR Mx

- Define software releases
- Link software product size reporting elements to Reporting tab
- Link software product size submissions to Events tab

Pg. 8, Tech Rqts

- Refined Contract-Specific Technical Parameters
- Commodity and Phase Specific Technical Parameters

CSDR Plan lays out all reporting requirements on contract

Requirements on Contract

Each CSDR deliverable requires own CDRL and cites their own DID

- Cost and Hour Report (FlexFile)
- Quantity Data Report
- CWBS Dictionary
- DD 1921: Cost Data Summary Report
- DD 1921-1: Functional Cost-Hour Report
- DD 1921-5: Sustainment Functional Cost-Hour Report
- DD 1921-2: Progress Curve Report
- DD 1921-3: Contractor Business Data Report
- Software Development Report
- Software Maintenance Report
- Maintenance and Repair Report
- Technical Data Report

CSDR Deliverables

Cost and Hour Report (FlexFile)

Data Group A

Report Metadata

Approved Plan Number
Submission Event
Period of Performance
Reporting Organization
As of Date
Date Prepared
more in the DID...

Data Group B

DD Form 2794 Data Elements

WBS Element
Order/Lot
End Item

Data Group C

Definitions and Remarks

WBS Element Definitions
Remarks by WBS Element
Summary Remarks

Data Group D

Summary Elements

Order/Lot
Subtotal
General and Administrative
Undistributed Budget
Management Reserve
Facilities Capital Cost of Money
Contract Fee
Contract Price

Data Group E

Actuals To Date (ATD)

Account
Reporting Period
CLIN
Nonrecurring or Recurring
Functional Category / Overhead
Standard Functional Category
Unit/Sublot
WBS Element
Order/Lot and End Item
ATD (Dollars and Labor Hours)

Data Group F

Allocation Methodology

Allocation Method

Data Group G

Forecasts At Completion (FAC)

FAC (Dollars)
FAC (Labor Hours)

Greatest value to cost estimator, in many cases, will be the additional insight requested in Group E

Legacy Element

The core of the FlexFile is providing dollars and hours at the **account** level in **contractor native categories**, **time phased**.

➢ Insight into contractor's native Functional Categories

➢ Account level reporting at or below the WBS

➢ Data time-phased monthly or to align with contractor's financial calendars

➢ Continuity with prior reports by requiring the **legacy government tags**

Quantity Data Report

Data Group A

Report Metadata

Approved Plan Number
Submission Event
Period of Performance
Reporting Organization
As of Date
Date Prepared
more in the DID…

Data Group B

Government Furnished Equipment

WBS Code/Level/Name
Order/Lot
End Item

Data Group C

Quantity at Completion

Delivered Quantity At Completion
Internal Quantity At Completion
Co-production or Concurrent Quantity At Completion
Government Furnished Equipment At Completion
Remarks

Legacy Element

Data Group D

Assessed Quantity to Date

Quantity Completed To Date
Quantity In Process
Remarks

Data Group E

Sequencing (as required by Plan)

First Unit Number
Last Unit Number
Is Internal

The Quantity Report ties the necessary quantity information to the FlexFile:

➢ Units to date should reflect an actual count of physically completed units

➢ Allow sequencing quantities to be optional through Planning process for each End-Item as not all End Items may require sequencing (e.g., Kits)

➢ Sequencing was allowed for lower level WBS elements in legacy 1921-2, but FlexFile does not sequence WBS elements (only End Items)

➢ To Date and In Process to be defined by contractor in the Remarks section

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CWBS Dictionary

Major Takeaways

❯ Definitions for all elements reporting costs

❯ Technical, physical, and cost efforts for each element

❯ Recurring vs. NRE breakout

Contract Work Breakdown Structure Dictionary				Program: P-49 Phoenix Fighter		RFP No: XXXXX	Contract Plan No.: A-10-X-C1
						Contract No: DAAE 07-XX-E-0001	Date: 9/26/2012
						Point of Contact: Erin Bell, (310) 555-9461, ebell@company.com	

CWBS CODE	CWBS ELEMENT LEVEL 1	2	3	4	5	CWBS ELEMENT NAME	CWBS DEFINITION
1.0	X					P-49 Phoenix Fighter	This WBS element includes the cost of the P-49 Phoenix Fighter in addition to the cost of the common WBS elements. The P-49 Phoenix Fighter is an Army aircraft developed to conduct anti-submarine warfare. This WBS element reports the total production cost, includes all design, development, production, and procurement efforts associated with the total complement of equipment, software, services, facilities, and integrated logistics support that are necessary to deliver and maintain the aircraft, through the cost for the common WBS elements. WBS element 1.1 Air Vehicle captures the cost of the product, while WBS elements 1.3 through 1.1.1 capture the cost of the "common elements".
1.1		X				Air Vehicle	The air vehicle element includes design, production, material and equipment procurements including associated vendor design/development efforts to provide for a functionally integrated air vehicle including installation of engines and avionics and all contractor
1.1.1			X			Airframe	vendor design to provide the fuselage, canopy assembly, and access doors. The makeup of the air frame is comprised of steel and composite metals including aluminum alloys. This element includes the basic structure including the wings, fuselage, empennage, and nacelle.
1.1.2			X			Propulsion	The propulsion system incorporates the X-5231 engine. The engine is started by firing the initiator by command by the Missile Control Unit. The initiator is connected to the engine start cartridge and the igniter cartridge. The start cartridge produces high pressure gasses which impinge on a turbine, thereby spinning the engine up to starting speed.
1.1.3			X			Vehicle Subsystems	The vehicle subsystems includes design, production, material and equipment procurements including associated vendor design/development efforts to provide for the Auxiliary Power Unit, Airframe Mounted Accessory Drive, Air Turbine Starter, oil cooling lines. The equipments perform engine starting on the ground, emergency starting during flight, ground checkout operations of aircraft accessories, and power takeoff for hydraulic pumps and electrical generator system and fuel motive flow pumps.
1.1.4			X			Avionics	The avionics includes the X-1PY radar, radar altimeter, direction finding set, doppler compass, computer. The contractor is procuring this item from a supplier, and is also completing tests upon delivery.
1.1.5			X			Armament/Weapons Delivery	This WBS element is not applicable to this contract.
1.1.6			X			Auxiliary Equipment	This WBS element is not applicable to this contract.
1.1.7			X			Furnishings and Equipment	This WBS element is not applicable to this contract.
1.1.8			X			Air Vehicle Software	This WBS element is not applicable to this contract.
1.1.9			X			Air Vehicle Integration, Assembly, Test, and Checkout	The air vehicle integration, assembly, test and checkout is conducted by the contractor at the contractor's site. It includes load analysis, stress analysis, and maintenance effort. Also included is the joining and installation of all third level WBS elements into the air vehicle, as well as final acceptance testing. All work is being conducted by the contractor at the contractor's facilities.
1.2		X				Systems Engineering	This WBS element is not applicable to this contract.
1.3		X				Program Management	Program management includes the contractor's efforts to perform tasks required for planning and control of program schedules, cost and technical performance including WBS maintenance, work authorizations, budgeting and data reporting. Also included is management and maintenance of the requirements database.
1.4		X				System Test and Evaluation	This WBS element is not applicable to this contract.
1.5		X				Training	This WBS element is not applicable to this contract.
1.6		X				Data	This WBS element is not applicable to this contract.
1.7		X				Peculiar Support Equipment	This WBS element is not applicable to this contract.
1.8		X				Common Support Equipment	This WBS element is not applicable to this contract.
1.9		X				Operational/Site Activation	This WBS element is not applicable to this contract.
1.10		X				Industrial Facilities	This WBS element is not applicable to this contract.
1.11		X				Initial Spares & Repair Parts	This WBS element is not applicable to this contract.

DD 1921: Cost Data Summary Report

Major Takeaways

› Costs and units by WBS

› Reporting Contractor Profit/Loss or Fee

DD 1921-1: Functional Cost-Hour Report

Major Takeaways

› Enables three types of analysis:

  › Labor vs material breakout

  › Hours vs dollars

  › Engineering vs Manufacturing

SECURITY CLASSIFICATION	Unclassified

FUNCTIONAL COST-HOUR REPORT

Form Approved OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 16 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.**

1. MAJOR PROGRAM a. NAME: P-49 - Phoenix Fighter
b. PHASE/MILESTONE: Pre-A, A, B, [X] C-FRP, C-LRIP, O&S

2. PRIME MISSION PRODUCT: P-49 - Phoenix Fighter

3. REPORTING ORGANIZATION TYPE: [X] PRIME / ASSOCIATE CONTRACTOR, DIRECT-REPORTING SUBCONTRACTOR, GOVERNMENT

4. NAME/ADDRESS (Include Zip Code)
a. PERFORMING ORGANIZATION: Vandalay Industries, 352 Stork Rd., Los Angeles, CA 90049
b. DIVISION: Integrated Systems, 325 Stork Rd., Los Angeles, CA 90049

5. APPROVED PLAN NUMBER: N-12-X-C1

6. CUSTOMER (Direct-Reporting Subcontractor Use Only)

7. TYPE ACTION
a. CONTRACT NO.: XXXXXX-13-C-0019
b. LATEST MODIFICATION: P00421
c. SOLICITATION NO.: N/A
d. NAME: Phoenix Fighter
e. TASK ORDER/DELIVERY ORDER/LOT NO.: Lot 9

8. PERIOD OF PERFORMANCE
a. START DATE (YYYYMMDD): 20150601
b. END DATE (YYYYMMDD): 20181230

9. REPORT CYCLE: INITIAL, INTERIM, [X] FINAL

10. SUBMISSION NUMBER: 2

11. RESUBMISSION NUMBER: 0

12. REPORT AS OF (YYYYMMDD): 20160630

13. NAME (Last, First, Middle Initial): Bellows, Drew R
14. DEPARTMENT: Finance
15. TELEPHONE NO. (Include Area Code): (310) 555-0559
16. EMAIL ADDRESS: andrew_bellows@vandalayindustries.com
17. DATE PREPARED (YYYYMMDD): 20160814

18. WBS ELEMENT CODE: 1.0
19. WBS REPORTING ELEMENT: P-49 - Phoenix Fighter
20. NUMBER OF UNITS: a. TO DATE 10.0, b. AT COMPLETION 10.0
21. APPROPRIATION: RDT&E, [X] PROCUREMENT, O&M

FUNCTIONAL DATA ELEMENTS	COSTS AND HOURS INCURRED TO DATE (thousands of U.S. Dollars or thousands of hours)			COSTS AND HOURS INCURRED AT COMPLETION (thousands of U.S. Dollars or thousands of hours)		
	A. NONRECURRING	B. RECURRING	C. TOTAL	D. NONRECURRING	E. RECURRING	F. TOTAL
ENGINEERING						
(1) DIRECT ENGINEERING LABOR HOURS	7	1128.6	1135.6	7.4	1257.2	1264.6
(2) DIRECT ENGINEERING LABOR DOLLARS	$398.4	$70,403.0	$70,801.4	$400.5	$72,102.2	$72,502.7
(3) ENGINEERING OVERHEAD DOLLARS	$245.0	$51,267.7	$51,512.7	$251.2	$52,001.9	$52,253.1
(4) TOTAL ENGINEERING DOLLARS	$643.4	$121,670.7	$122,314.1	$651.7	$124,104.1	$124,755.8
MANUFACTURING OPERATIONS						
(5) DIRECT TOOLING LABOR HOURS	0	247.698	247.698	0.1	247.7	247.8
(6) DIRECT TOOLING LABOR DOLLARS	$1.7	$8,179.0	$8,180.7	$3.6	$8,179.0	$8,182.6
(7) DIRECT TOOLING & EQUIPMENT DOLLARS	$0.0	$4,020.8	$4,020.8	$0.0	$4,020.8	$4,020.8
(8) DIRECT QUALITY CONTROL LABOR HOURS	1.2	347.49	348.69	1.9	384.2	386.1
(9) DIRECT QUALITY CONTROL LABOR DOLLARS	$33.5	$10,838.4	$10,871.9	$36.9	$11,052.2	$11,089.1
(10) DIRECT MANUFACTURING LABOR HOURS	90.2	4124.5	4214.7	95.2	4168.2	4263.4
(11) DIRECT MANUFACTURING LABOR DOLLARS	$3,456.0	$155,518.4	$158,974.4	$3,478.8	$158,321.6	$161,800.4
(12) MANUFACTURING OPERATIONS OVERHEAD DOLLARS *(Including Tooling and Quality Control)*	$325.2	$145,235.6	$145,560.8	$357.3	$146,521.5	$146,878.8
(13) TOTAL MANUFACTURING OPERATIONS DOLLARS *(Sum of rows 6, 7, 9, 11, and 12)*	$3,816.4	$323,792.3	$327,608.7	$3,876.6	$328,095.1	$331,971.7
MATERIALS						
(14) RAW MATERIAL DOLLARS	$24.2	$10,201.9	$10,226.1	$24.2	$10,201.9	$10,226.1
(15) PURCHASED PARTS DOLLARS	$45.2	$30,212.0	$30,257.2	$127.7	$30,952.2	$31,079.9
(16) PURCHASED EQUIPMENT DOLLARS	$102.5	$57,854.4	$57,956.9	$98.3	$58,156.5	$58,254.8
(17) MATERIAL HANDLING OVERHEAD DOLLARS	$0.0	$4,032.2	$4,032.2	$0.0	$4,032.2	$4,032.2
(18) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS	$0.0	$100,426.5	$100,426.5	$0.0	$101,021.5	$101,021.5
(19) TOTAL MATERIAL DOLLARS	$171.9	$202,727.0	$202,898.9	$250.2	$204,364.3	$204,614.5
OTHER COSTS						
(20) OTHER COSTS NOT SHOWN ELSEWHERE *(Specify in Remarks)*	$328.2	$45,012.0	$45,340.2	$328.2	$45,904.6	$46,232.8
SUMMARY						
(21) TOTAL COST *(Direct and Overhead)*	$4,959.9	$693,202.0	$698,161.9	$5,106.7	$702,468.1	$707,574.8

22. REMARKS
Costs in Line 16 (Purchased Equipment Dollars) are greater to date than at completion due to a pending credit for overbilling on a purchase order.
Costs in Line 18 (Total Direct Reporting Subcontractor Dollars) are for The Aircraft Electronics Group (AEG), Akron, Ohio ($100,426,500 to date, $101,021,500 at completion).

DD FORM 1921-1, MAY 2011 | SECURITY CLASSIFICATION | Unclassified

This slide displays example data, created for educational purposes, rather than actual contractor data.

Major Takeaways

› Format the same as 1921-1, with sustainment functional categories

› Touch vs support labor analysis

SECURITY CLASSIFICATION — Unclassified

SUSTAINMENT FUNCTIONAL COST-HOUR REPORT

OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 16 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate, Directives Division, 4800 Mark Center Drive, East Tower, Suite 02G09, Alexandria, VA 22350-3100 (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.**

1. MAJOR PROGRAM a. NAME:
b. PHASE/MILESTONE — Pre-A, A, B, C-LRIP, C-FRP, O&S
2. PRIME MISSION PRODUCT
3. REPORTING ORGANIZATION TYPE — PRIME / ASSOCIATE CONTRACTOR, DIRECT-REPORTING SUBCONTRACTOR, GOVERNMENT
4. NAME/ADDRESS (Include Zip Code) — a. PERFORMING ORGANIZATION, b. DIVISION
5. APPROVED PLAN NUMBER

6. CUSTOMER (Direct-Reporting Subcontractor Use Only)
7. TYPE ACTION — a. CONTRACT NO.:, b. LATEST MODIFICATION:, c. SOLICITATION NO.:, d. NAME:, e. TASK ORDER/DELIVERY ORDER/LOT NO.:

8. PERIOD OF PERFORMANCE — a. START DATE (YYYYMMDD):, b. END DATE (YYYYMMDD):
9. REPORT CYCLE — INITIAL, INTERIM, FINAL
10. SUBMISSION NUMBER
11. RESUBMISSION NUMBER
12. REPORT AS OF (YYYYMMDD)

13. NAME (Last, First, Middle Initial)
14. DEPARTMENT
15. TELEPHONE NO. (Include Area Code)
16. EMAIL ADDRESS
17. DATE PREPARED (YYYYMMDD)

18. WBS ELEMENT CODE
19. WBS REPORTING ELEMENT
20. NUMBER OF UNITS — a. TO DATE, b. AT COMPLETION
21. APPROPRIATION — RDT&E, PROCUREMENT, O&M

SUSTAINMENT FUNCTIONAL DATA ELEMENTS	COSTS AND HOURS INCURRED TO DATE (thousands of U.S. Dollars or thousands of hours)			COSTS AND HOURS INCURRED AT COMPLETION (thousands of U.S. Dollars or thousands of hours)		
	A. NONRECURRING	B. RECURRING	C. TOTAL	D. NONRECURRING	E. RECURRING	F. TOTAL
ENGINEERING						
(1) DIRECT ENGINEERING LABOR HOURS						
(2) DIRECT ENGINEERING LABOR DOLLARS						
(3) ENGINEERING OVERHEAD DOLLARS						
(4) TOTAL ENGINEERING DOLLARS						
PROGRAM MANAGEMENT						
(5) DIRECT PROGRAM MANAGEMENT LABOR HOURS						
(6) DIRECT PROGRAM MANAGEMENT LABOR DOLLARS						
(7) PROGRAM MANAGEMENT OVERHEAD DOLLARS						
(8) TOTAL PROGRAM MANAGMENT DOLLARS						
MAINTENANCE OPERATIONS						
(9) TOUCH MAINTENANCE LABOR HOURS						
(10) TOUCH MAINTENANCE LABOR DOLLARS						
(11) TOUCH MAINTENANCE OVERHEAD DOLLARS						
(12) SUPPORT MAINTENANCE LABOR HOURS						
(13) SUPPORT MAINTENANCE LABOR DOLLARS						
(14) SUPPORT MAINTENANCE OVERHEAD DOLLARS						
(15) TOTAL MAINTENANCE OPERATIONS DOLLARS						
MATERIALS						
(16) RAW MATERIAL DOLLARS						
(17) PURCHASED PARTS DOLLARS						
(18) PURCHASED EQUIPMENT DOLLARS						
(19) MATERIAL HANDLING/OVERHEAD DOLLARS						
(20) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS						
(21) TOTAL MATERIAL DOLLARS						
OTHER COSTS						
(22) OTHER COSTS NOT SHOWN ELSEWHERE (Specify in Remarks)						
SUMMARY						
(23) TOTAL COST (Direct and Overhead)						

22. REMARKS

DD FORM 1921-5, DEC 2015

SECURITY CLASSIFICATION — Unclassified

DD 1921-2: Progress Curve Report

Major Takeaways

› Reporting by unit, lot, or sub-lot allows learning curve analysis

SECURITY CLASSIFICATION		Unclassified						

PROGRESS CURVE REPORT

Form Approved OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 16 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.**

1. MAJOR PROGRAM a. NAME: P-49 - Phoenix Fighter

b. PHASE/MILESTONE — Pre-A, B, X C-FRP; A, C-LRIP, O&S

2. PRIME MISSION PRODUCT P-49 - Phoenix Fighter

3. REPORTING ORGANIZATION TYPE — X PRIME / ASSOCIATE CONTRACTOR, DIRECT-REPORTING SUBCONTRACTOR, GOVERNMENT

4. NAME/ADDRESS (Include ZIP Code)
a. PERFORMING ORGANIZATION: Vandalay Industries, 352 Stork Rd.
b. DIVISION: Integrated Systems, 325 Stork Rd.

5. APPROVED PLAN NUMBER N-12-X-C1

6. CUSTOMER (Direct-Reporting Subcontractor Use Only)

7. TYPE ACTION
a. CONTRACT NO.: XXXXXX-13-C-0019
b. LATEST MODIFICATION P00421
c. SOLICITATION NO.: N/A
d. NAME: Phoenix Fighter
e. TASK ORDER/DELIVERY ORDER/LOT NO.: Lot 9

8. PERIOD OF PERFORMANCE
a. START DATE (YYYYMMDD): 20150601
b. END DATE (YYYYMMDD): 20181230

9. REPORT CYCLE — INITIAL, INTERIM, X FINAL

10. SUBMISSION NUMBER 2

11. RESUBMISSION NUMBER 0

12. REPORT AS OF (YYYYMMDD) 20160630

13. NAME (Last, First, Middle Initial) Bellows, Drew R

14. DEPARTMENT Finance

15. TELEPHONE NO. (Include Area Code) (310) 555-0559

16. E-MAIL ADDRESS andrew_bellows@vandalayindustries.com

17. DATE PREPARED (YYYYMMDD) 20160814

18. WBS ELEMENT CODE 1.0

19. WBS REPORTING ELEMENT P-49 - Phoenix Fighter

20. UNITS/LOTS COMPLETED — UNIT TOTAL, X LOT TOTAL

21. APPROPRIATION — RDT&E, X PROCUREMENT, O&M

DATA ELEMENTS	A. COMPLETED UNITS/LOTS (thousands of U.S. Dollars or thousands of hours)				B. WORK IN PROCESS (WIP) (thousands of U.S. Dollars or thousands of hours)	C. TOTAL DIRECT COSTS AND HOURS INCURRED TO DATE (thousands of U.S. Dollars or thousands of hours)
	A1	A2	A3	A4		
(1) MODEL AND SERIES						
(2) FIRST UNIT						
(3) LAST UNIT						
(4) CONCURRENT UNITS/LOTS						
CHARACTERISTICS						
(5a) Weight						
(5b) Speed						
(5c) Power						
ENGINEERING (RECURRING ONLY)						
(6) DIRECT ENGINEERING LABOR HOURS	1128.6					1128.6
(7) DIRECT ENGINEERING LABOR DOLLARS	$70,403.0					$70,403.0
MANUFACTURING OPERATIONS (RECURRING ONLY)						
(8) DIRECT TOOLING LABOR HOURS	247.7					247.7
(9) DIRECT TOOLING LABOR DOLLARS	$8,179.0					$8,179.0
(10) DIRECT TOOLING & EQUIPMENT DOLLARS	$4,020.8					$4,020.8
(11) DIRECT QUALITY CONTROL LABOR HOURS	347.5					347.5
(12) DIRECT QUALITY CONTROL LABOR DOLLARS	$10,838.4					$10,838.4
(13) DIRECT MANUFACTURING LABOR HOURS	$4,124.5					$4,124.5
(14) DIRECT MANUFACTURING LABOR DOLLARS	$155,518.4					$155,518.4
(15) TOTAL DIRECT MANUFACTURING OPERATIONS DOLLARS (Sum of rows 9,10,12, a	$178,556.6					$178,556.6
MATERIALS (RECURRING ONLY)						
(16) RAW MATERIALS DOLLARS	$10,201.9					$10,201.9
(17) PURCHASED PARTS DOLLARS	$30,212.0					$30,212.0
(18) PURCHASED EQUIPMENT DOLLARS	$57,854.4					$57,854.4
(19) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS						
(20) TOTAL DIRECT MATERIAL DOLLARS	$98,268.3					$98,268.3
OTHER COSTS (RECURRING ONLY)						
(21) OTHER DIRECT COSTS NOT SHOWN ELSEWHERE (Specify in Remarks)	$25,012.0					$25,012.0
SUMMARY (RECURRING ONLY)						
(22) TOTAL DIRECT COST	$372,239.9					$372,239.9

22. REMARKS

DD FORM 1921-2, MAY 2011 — PREVIOUS EDITION IS OBSOLETE. SECURITY CLASSIFICATION — Unclassified

This slide displays example data, created for educational purposes, rather than actual contractor data.

DD 1921-3: Contractor Business Data Report

1921-3 Webinar

Major Takeaways

› Direct and Indirect Costs

› Plant utilization capacity to analyze overhead rates

SECURITY CLASSIFICATION

CONTRACTOR BUSINESS DATA REPORT

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 30 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate, Information Management Division, 1155 Defense Pentagon, Washington, DC 20301-1155 (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.

1. CONTRACTOR NAME/ADDRESS (Include Zip Code)	2. FPR UNIT	3. IMPLEMENTING CONTRACT NUMBER	4. DATA PERIOD (X one) Prior Year / Current Year / Future Year	5. FISCAL YEAR (YYYY)	6. DATES IN FISCAL YEAR (YYYYMMDD) Start Date: End Date:
7. PREPARER'S NAME (Last, First, Middle Initial)	8. DEPARTMENT		9. TELEPHONE NO. (Include Area Code)	10. EMAIL ADDRESS	11. DATE PREPARED (YYYYMMDD)

Overhead Accumulation, Distribution, and Application

DIRECT COST BY PROGRAM — **DIRECT: COST / HOURS / MANPOWER (Report dollars and hours in thousands)**

	Program Name a	A/F	Contract Number b	Equivalent Units c	Buyer d	Engineering Workers e	Engineering Dollars f	Engineering Hours g	Manufacturing Operations Workers h	Manufacturing Operations Dollars i	Manufacturing Operations Hours j	Materials Dollars k	Other Workers l	Other Dollars m	Other Hours n
S E C T I O N A	1.														
	2.														
	3.														
	4.														
	5.														
	6.														
	7.														
	8.														
	9.														
	10.														
	11. Other DoD Effort														
	12. Other Government Effort														
	13. Commercial Effort														
	14. Total Direct Cost and Hours Base						$0.0	0.0		$0.0	0.0	$0.0		$0.0	0.0
	a. Total Direct Workers					0			0				0		

INDIRECT COST CATEGORY — **INDIRECT: COST / HOURS / MANPOWER (Report dollars and hours in thousands)**

		Engineering Workers o	Engineering Dollars p	Engineering Hours q	Manufacturing Operations Workers r	Manufacturing Operations Dollars s	Manufacturing Operations Hours t	Materials Dollars u	Other Workers v	Other Dollars w	Other Hours x	G&A Dollars y	G&A Hours z
S E C T I O N B	15. Indirect Labor												
	16. Employee Benefits												
	17. Payroll Taxes												
	18. Employment												
	19. Communication/Travel												
	20. Production Related												
	21. Facilities-Building/Land												
	22. Facilities-Furniture/Equipment												
	23. Administration												
	24. Future Business												
	25. Other Miscellaneous												
	26. Credits												
	27. Total Indirect Cost and Hours		$0.0	0.0		$0.0	0.0	$0.0		$0.0	0.0		
	28. Total G&A Cost and Hours											$0.0	0.0
	29. Indirect/Direct Cost Rate		0.00%			0.00%		0.00%		0.00%			
	30. G&A Rate/(Direct + Indirect)											0.00%	

DD FORM 1921-3, MAY 2011

SECURITY CLASSIFICATION

Page 1 of 2

Software Development Report

Major Takeaways

› Part 1: Release Level Technical Content, CSCI Software Size Schedule

› Part 2: Reports the to-date SW maintenance efforts for each in progress and completed release(s), and total maintenance activities

SOFTWARE DEVELOPMENT REPORT, FORMAT 1 (DD FORM 1921-D): Part 1 Software Development Technical Data, Release Level

WBS Element Code	WBS Element Name	Activity ID	Act Na
1.1.2.2.2	Propulsion Software Release 1		
1.1.2.2.2.1	Propulsion Software Release 1 CSCI 1		
1.1.2.2.2.2	Propulsion Software Release 1 CSCI 1	X	Contractor-Defi
1.1.2.2.2.3	Propulsion Software Release 1 CSCI 1	Y	Contractor-Defi
1.1.2.2.2.4	Propulsion Software Release 1 CSCI 1	Z	Contractor-Defi
1.1.2.2.2.2	Propulsion Software Release 1 CSCI 2		
1.1.2.2.2.2	Propulsion Software Release 1 CSCI 2	X	Contractor-Defi
1.1.2.2.2.2	Propulsion Software Release 1 CSCI 2	Y	Contractor-Defi
1.1.2.2.2.2	Propulsion Software Release 1 CSCI 2	Z	Contractor-Defi
1.1.2.2.2.3	Propulsion Software Release 1 CSCI 3		
1.1.2.2.2.3	Propulsion Software Release 1 CSCI 3	X	Contractor-Defi
1.1.2.2.2.3	Propulsion Software Release 1 CSCI 3	Y	Contractor-Defi
1.1.2.2.2.3	Propulsion Software Release 1 CSCI 3	Z	Contractor-Defi
1.1.2.2.3	Propulsion Software Release 2		
1.1.2.2.3.1	Propulsion Software Release 2 CSCI 1		
1.1.2.2.3.1	Propulsion Software Release 2 CSCI 1	X	Contractor-Defi
1.1.2.2.3.1	Propulsion Software Release 2 CSCI 1	Y	Contractor-Defi
1.1.2.2.3.1	Propulsion Software Release 2 CSCI 1	Z	Contractor-Defi
1.1.2.2.3.2	Propulsion Software Release 2 CSCI 2		
1.1.2.2.3.2	Propulsion Software Release 2 CSCI 2	X	Contractor-Defi

Software Maintenance Report

SRDR Webinar

Major Takeaways

› Part 1: Technical Data SW size, context, technical parameters, descriptions, and schedule Top level and release level sections

› Part 2: Reports the to-date SW maintenance efforts for each in progress and completed release(s), and total maintenance activities

Schedule Reporting	
Release Start Date (YYYYMMDD)	Release End Date (Y
Schedule Reporting Comment	
Product and Maintenance Description	
Functional Description	
Software Maintenance Characterization	
Software Maintenance Process	
Operating Environment(s) *(Check all that apply)*	
Surface Fixed	Surface Vehicle
Surface Mobile	Air Vehicle
Surface Portable	Sea Systems
Manned vs Unmanned *(check one)*	
Manned	Unmanned
Application Domain(s) *(Indicate percentages to all applicable domains)*	
% Microcode and Firmware	% Communication
% Signal Processing	% System Software
% Vehicle Payload	% Process Control
% Vehicle Control	% Scientific and Simulation
% Other Real-Time Embedded	% Test, Measurement, and Diagnostic Equipm
% Command and Control	% Training

SOFTWARE MAINTENANCE REPORT, FORMAT 2 (DD FORM 1921-M): Part 2 Software Ma			
Resource Reporting			
Organization 1			
WBS Element Code	**WBS Element Name**	**Actuals To Date (ATD)**	
1.5.2.1.1	Software Change Release 1		
1.5.2.1.n	Software Change Release n		
1.4.4	Project Management		*Only include Software Spe*
1.4.3	Sustaining Engineering		*Only include Software Spe*
1.4.3.9	Certification and Accreditation		*Only include Software Spe*
1.5.2.2	Software License Management		
1.5.2.3	System Facilities		
1.5.2.4	Field Software Engineering		
1.5.2.5	Operational Management		

Maintenance and Repair Report

The –M Collects information related to each maintenance event such as the specific system being repaired, location where the repair activity occurred, reason for failure, day failure was identified and day repair activity was completed

Maintenance Event Report

Maintenance Event Number

System/End Item Data:
- End Item or DLR NIIN
- Serial Number
- Variant
- Oder Name

Failure Data:
- Non-Mission Capable
- Scheduled Event
- Failure Code
- Failure Code Description

Repair Data:
- Start/Completion Date
- Org/Location
- Maintenance Event Type
- WBS ID
- Labor Hours

Repair Part Report

Maintenance Event Number

Repair Action Data:
- Repair Action Code
- Repair Action Description

Repair Part Data:
- LRU or Part Name
- 881 Reference
- Reparable or Consumable
- Quantity
- LRU or Part Number
- NSN (or NIIN)
- WUC/LCN
- FWG
- Replacement Cost
- Repair Cost

The –R Identifies the LRUs and/or repair parts associated with each maintenance event

During the post award conference the CWIPT will identify the maintenance and repair elements that will be reported. A minimum set of data elements is required to use the data. Elements chosen are dependent on the scope of the CLS contract.

The –M/R is the Department of Defense (DoD) reporting requirement for collecting actual maintenance event and repair part data as part of the Cost, Software, and Data Report (CSDR) system

Tech Data Report

Initiative:

› Provides mechanism to systematically capture Tech Data on contracts
› Complements DoD CARD process
› Creates a common Tech Data Vocabulary
› Defines core set of needed parameters
› Leverages other Tech Data on contract

Enduring Cost Analysis Need

› Provides context to the cost data
› Defines the Program's Technical Baseline
› Ingredient of acquisition strategies, e.g., schedules
› Identification and quantification of cost drivers
› Foundation for Independent Technical Assessments
› Supports architecture trade studies
› Highlights areas of potential risk

Mapping ID	Item Type	Technical Parameter Name	Group Key	Value	Unit of Measure	Unit of Measure Qualifier	Estimate/Actual
		TECH: Parameters by Mapping ID					
Var-A_1.1	C4ISys	Target Environment		Airborne	List		Actual
Var-B_1.1	C4ISys	Target Environment		Ground	List		Actual
Common_1.1.1	IAT&CO	Number of Electrical Connections		200	Quantity	Electrical Connections	Actual
Common_1.1.1	IAT&CO	Number of Mechanical Connections		400	Quantity	Mechanical Connections	Actual
Common_1.1.2	Heritage	New Design		50	Percent		Actual
Common_1.1.2	Heritage	Predecessor System		Excaliber	Descriptor		Actual
Common_1.1.2	PhysicalElec	Weight		500	Pounds		Estimated
Common_1.1.2	PhysicalElec	Weight - Structural		100	Pounds		Estimated
Common_1.1.2	PhysicalElec	Weight - Electronics		80	Pounds		Estimated
Common_1.1.2	PhysicalElec	Power - Maximum Consumption Rate		20	Kilowatts		Estimated
Common_1.1.2	PhysicalElec	Volume		200	Cubic Inches		Actual
Var-A_1.1.3	Heritage	New Design		90	Percent		Actual
Var-A_1.1.3	Heritage	Predecessor System		Excaliber	Descriptor		Actual
Var-A_1.1.3	ElecBox	Circuit Cards - Number of		3	Quantity		Actual
Var-A_1.1.3	ElecBox	Application Specific Integrated Circuit (ASIC) Designs		20	Quantity	ASICs	Actual
Var-A_1.1.3	ElecBox	Field Programmable Gate Array (FPGA) Designs		30	Quantity	FPGAs	Actual
Var-B_1.1.3	Heritage	New Design		50	Percent		Actual
Var-B_1.1.3	Heritage	Predecessor System		Var-A	Descriptor		Actual
Var-B_1.1.3	ElecBox	Circuit Cards - Number of		3	Quantity		Actual
Var-B_1.1.3	ElecBox	Application Specific Integrated Circuit (ASIC) Designs		15	Quantity	ASICs	Estimated
Var-B_1.1.3	ElecBox	Field Programmable Gate Array (FPGA) Designs		45	Quantity	FPGAs	Estimated
Common_1.1.4	Heritage	New Design		60	Percent		Actual
Common_1.1.4	Heritage	Predecessor System		Excaliber	Descriptor		Actual
Common_1.1.4	Antenna	Frequency Band		K band (18 to 27 GHz)	List		Actual
Common_1.1.4	Antenna	Aperture - Antenna		32	Inches		Actual
Common_1.1.4	Antenna	Number of Sub Arrays		4	Quantity	Per Antenna Face	Actual

This slide displays example data, created for educational purposes, rather than actual contractor data.

CSDR Validation Process

Reporting Entity Submits CSDRs into CADE → **CWIPT validates report and provides feedback to industry** → **Finalize Report (Accept or Reject)**

Who Reviews it?
- DCARC
- Program Office
- Service Cost Center

What are they looking for?
- CSDR Plan compliance
- Fulfill DID requirements
- Follow reporting form guidelines
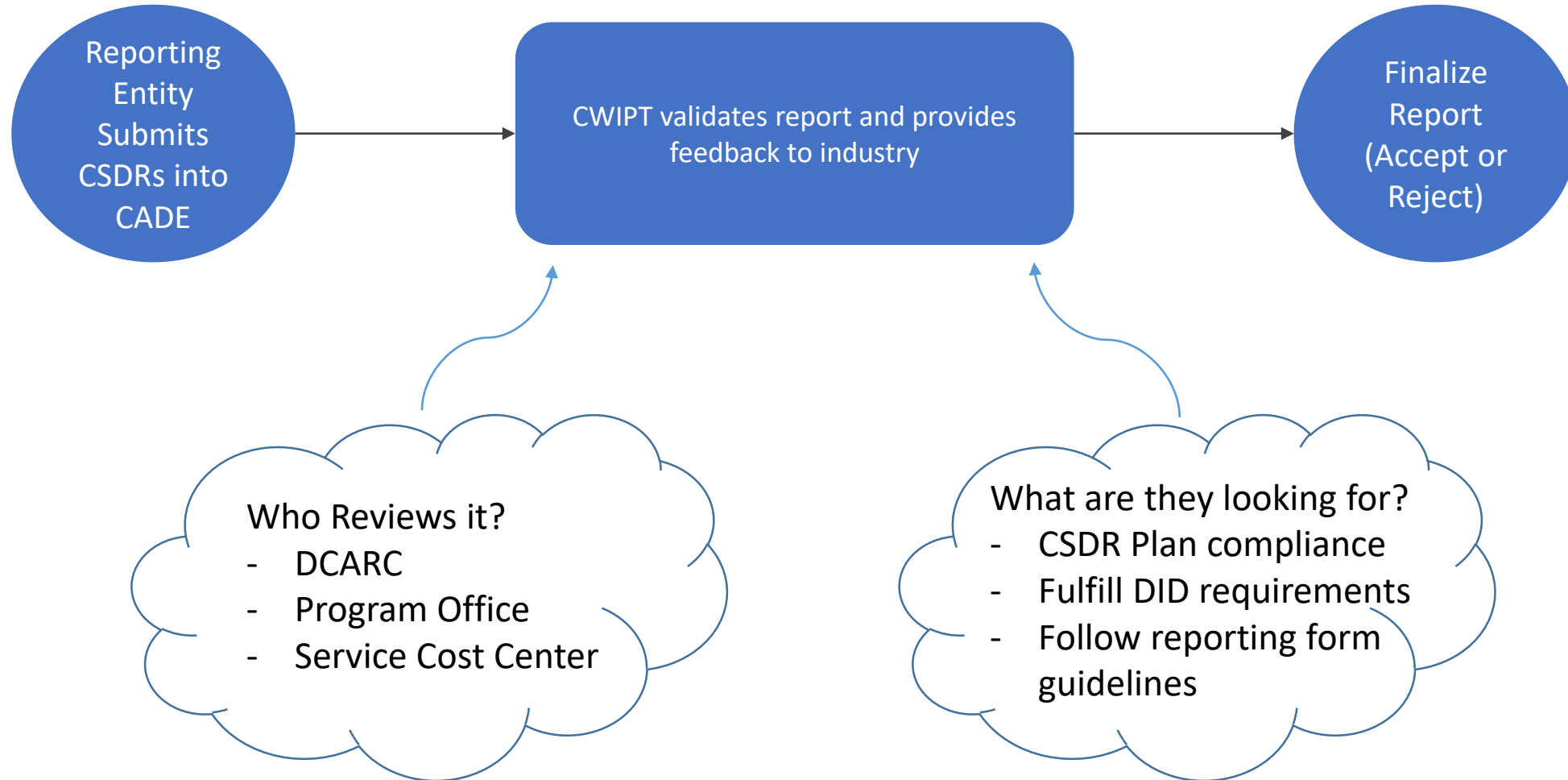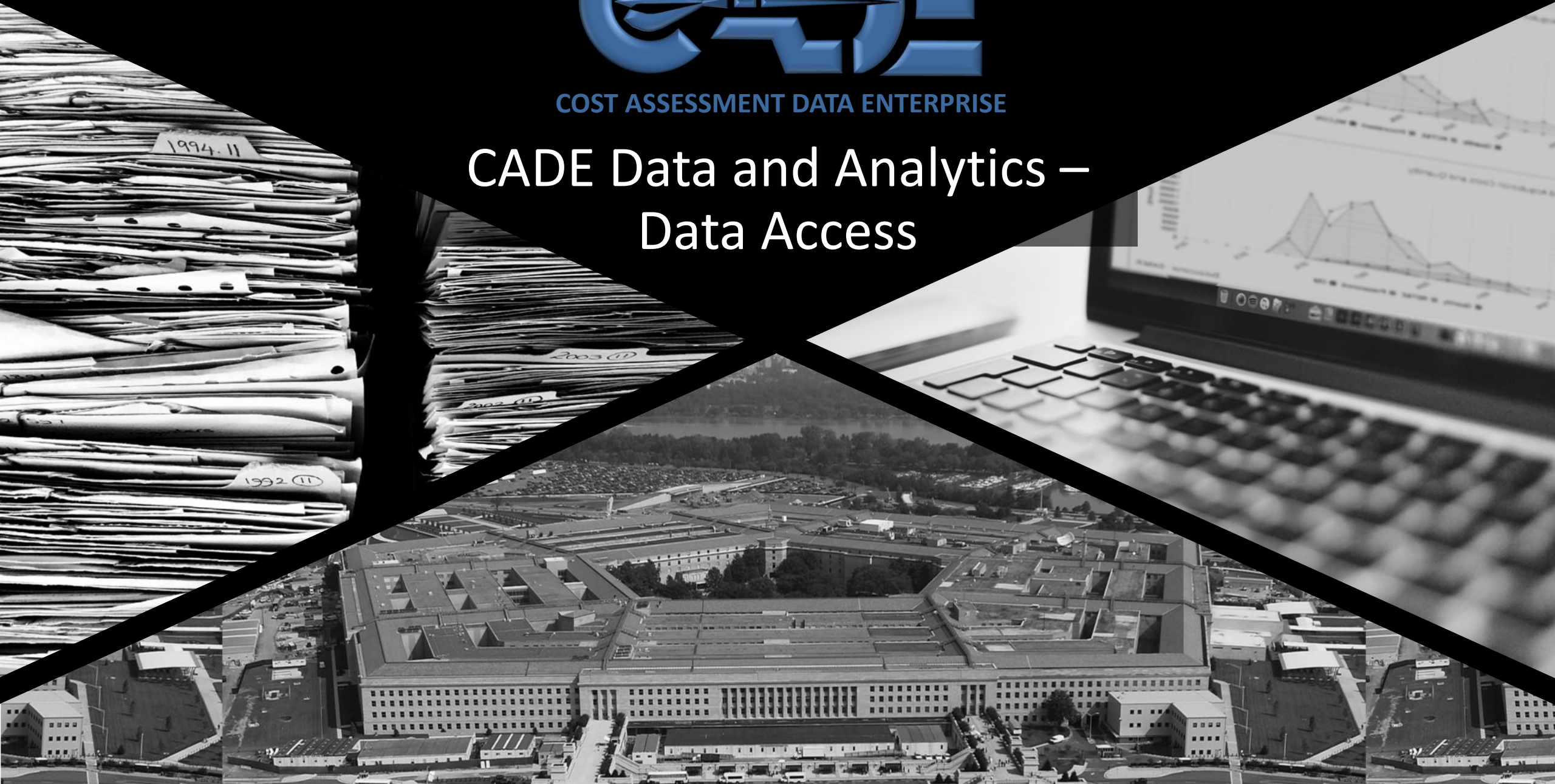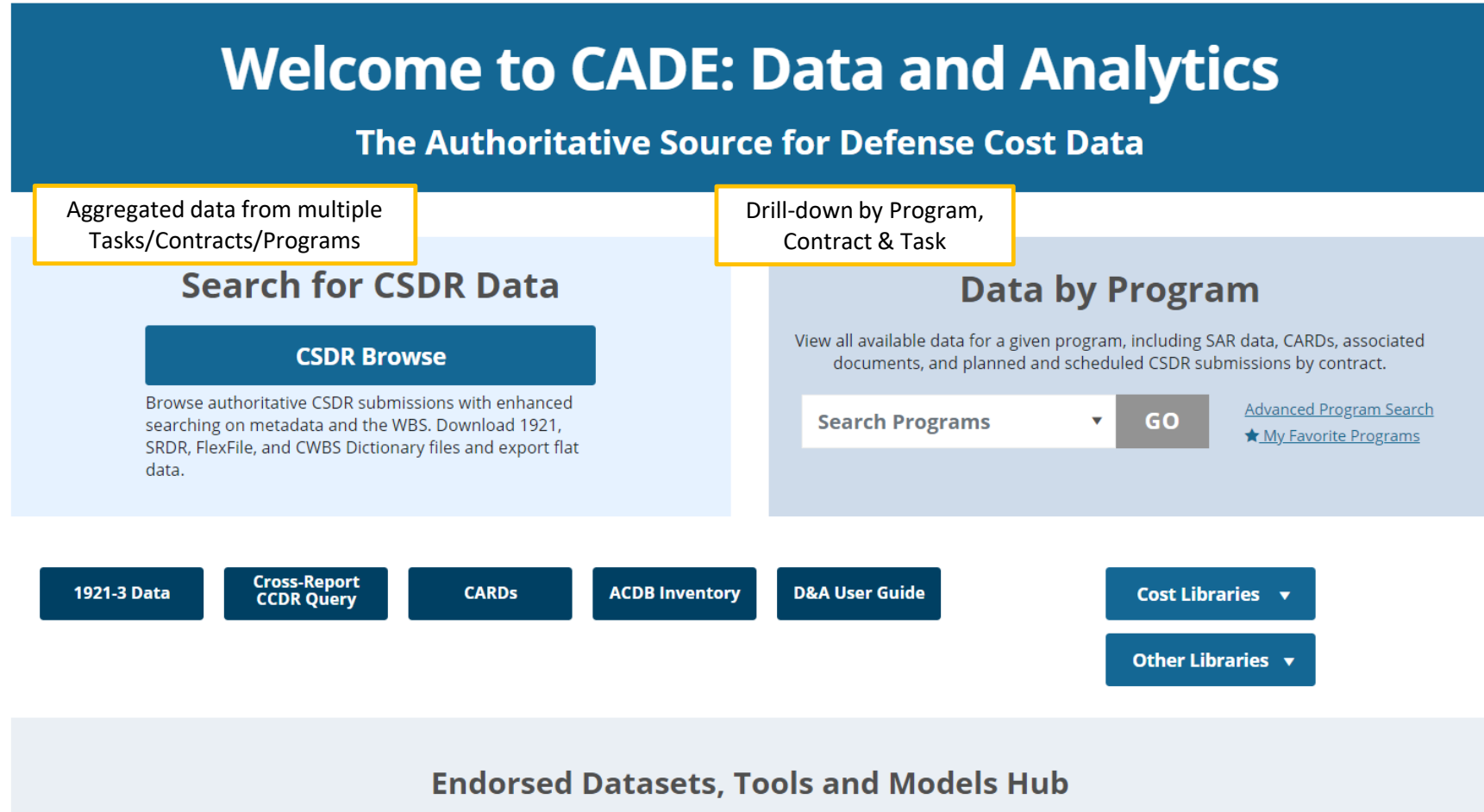
Data and Analytics Landing Page

- A new design for the *Data and Analytics home page* was published on 05 Dec 2018
- It is intended to better support two primary modes of accessing data
  - **Browse Data Across Programs**: Aggregate data from multiple Tasks/Contracts/Programs
    - Think "*analysis-ready flat files*"
  - **Data by Program**: Drill-down by Program, Contract, and Task
    - Think "*standard reporting formats*"

Welcome to CADE: Data and Analytics

The Authoritative Source for Defense Cost Data

Aggregated data from multiple Tasks/Contracts/Programs

Drill-down by Program, Contract & Task

Search for CSDR Data

CSDR Browse

Browse authoritative CSDR submissions with enhanced searching on metadata and the WBS. Download 1921, SRDR, FlexFile, and CWBS Dictionary files and export flat data.

Data by Program

View all available data for a given program, including SAR data, CARDs, associated documents, and planned and scheduled CSDR submissions by contract.

Search Programs ▾ GO

Advanced Program Search
★ My Favorite Programs

1921-3 Data | Cross-Report CCDR Query | CARDs | ACDB Inventory | D&A User Guide

Cost Libraries ▾
Other Libraries ▾

Endorsed Datasets, Tools and Models Hub

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Multiple CSDRs – Flexible Search

- The ***Browse CSDR Submissions*** function provides a more flexible "DACIMS-like" search/browse
  - Simultaneously locate and download multiple CSDRs
  - Works with any mix of Contractor Cost Data Reports (CCDRs) and Software Resources Data Reports (SRDRs)
- Access to all contract-specific 1921-series forms
  - CDSR (1921), FCHR (1921-1), PCR (1921-2), Sustainment FCHR (1921-5)
  - **Includes FlexFiles!**
- CCDRs are available as both "formatted" and flat file downloads
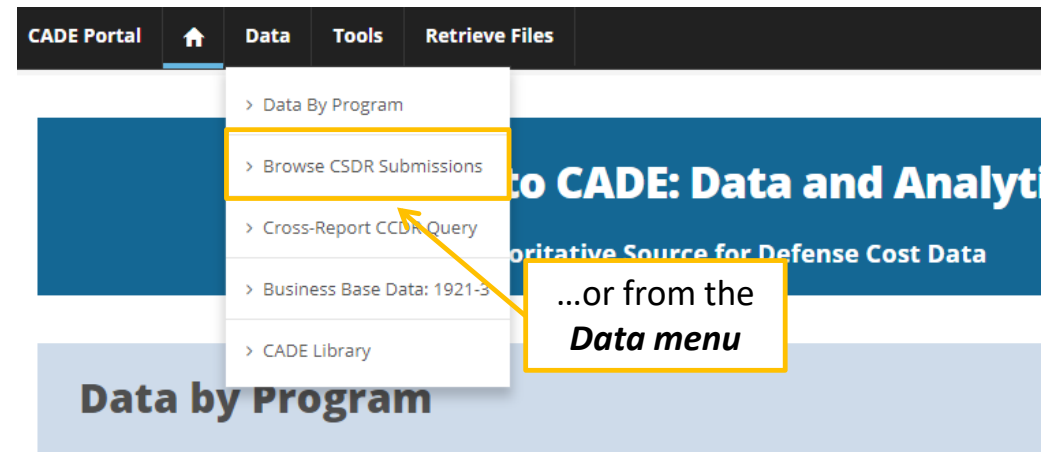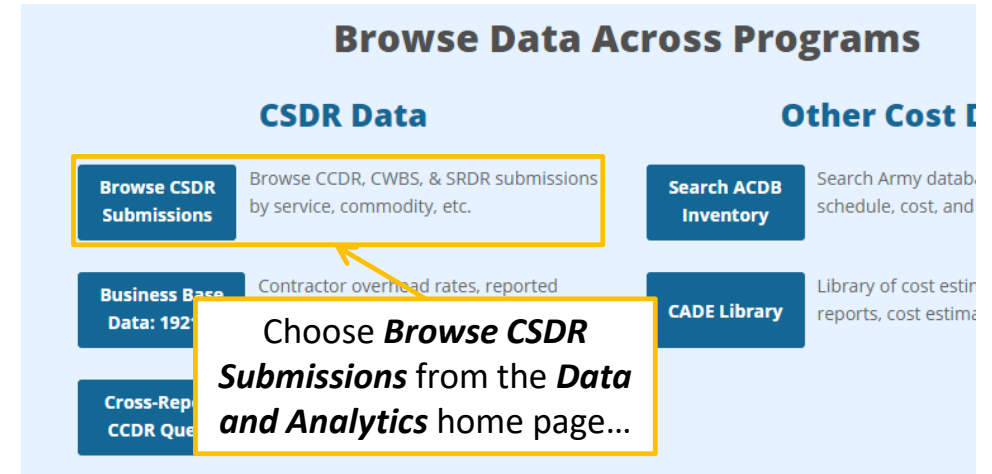
Choose ***Browse CSDR Submissions*** from the ***Data and Analytics*** home page…
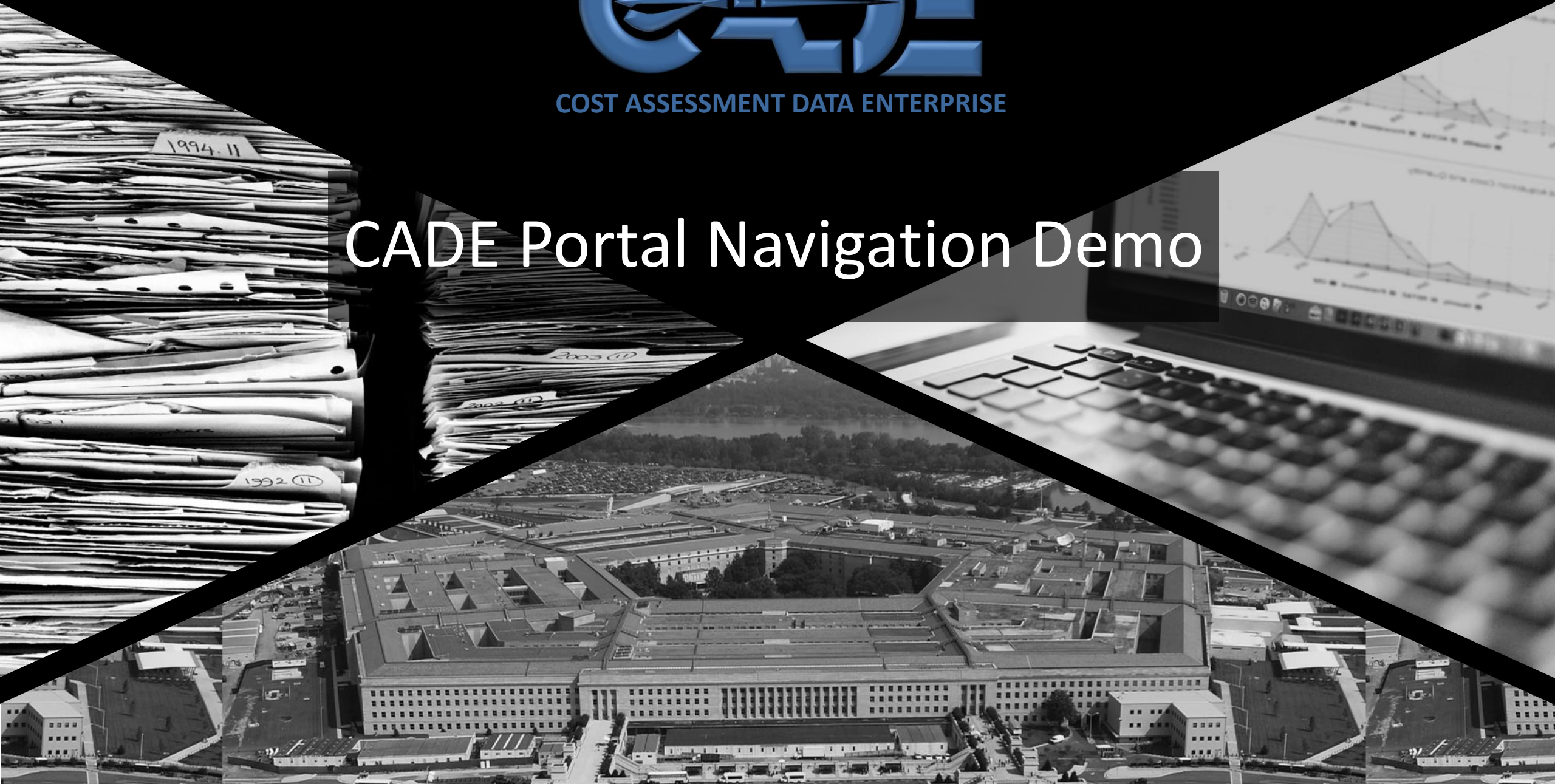
…or from the ***Data menu***

CADE Resources

CADE
https://cade.osd.mil

Policy & Guidance
https://cade.osd.mil/policy

FlexFile and Quantity
https://cade.osd.mil/policy/flexfile-quantity

Technical Data
https://cade.osd.mil/policy/techdata

Maintenance & Repair Data
https://cade.osd.mil/policy/maintandrepair

"FlexFile and Technical Data reports are newer requirements. How do I implement them to my program? What even are they?!?"

"I have this "Flexible" report required on contract. Do I report the data in the 1921 form?"

CADE offers Implementation and submission guidance
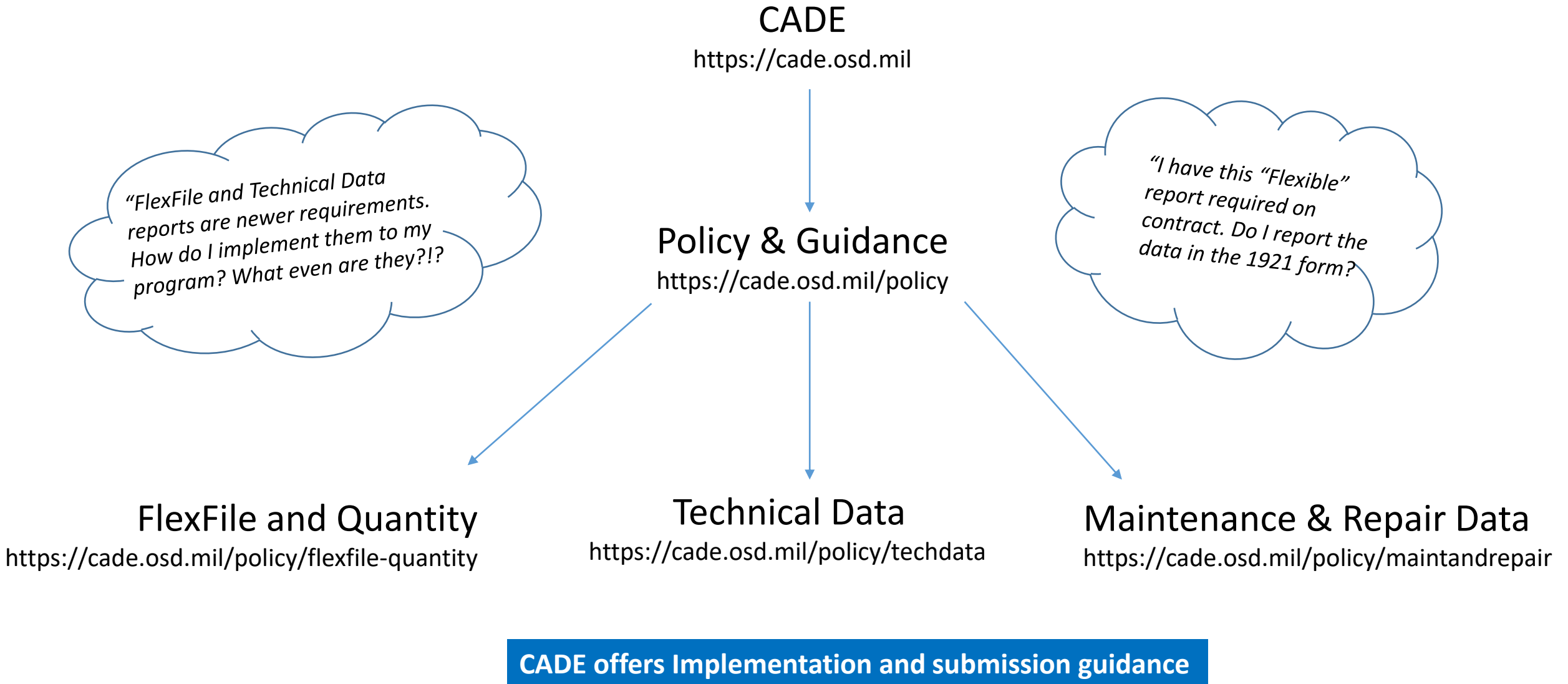
CADE

COST ASSESSMENT DATA ENTERPRISE

Next Steps

Next Steps for YOU

1) Sign up for a CADE account!

2) Explore CADE and familiarize yourself with the different sections. CADE exists:

- For contractors to submit deliverables
- Government analysts to review the reports
- CWIPTs to prepare CSDR plans

Important Documents and POCs

All documents can be found at https://cade.osd.mil/

- ✓ Report DIDs (FlexFile, Quantity Data Report, SRDR, and Tech Data Report)
- ✓ Report Implementation Guides
- ✓ Instructions for completing DD 2794
- ✓ New DD Form 2794 Format
- ✓ Draft CDRL Language

See https://cade.osd.mil/support for training material and information on upcoming training events

Points of Contact

DCARC Director Kelly Hazel Kelly.P.Hazel.CIV@mail.mil (703) 614-5397	**Training & Outreach Lead** Torri Preston Torri.R.Preston.CTR@mail.mil (571) 372-4270
DCARC Lead Brian Davis Brian.C.Davis108.CTR@mail.mil (571) 372-4259	**FlexFile Lead** Marc Stephenson Marc.J.Stephenson.CTR@mail.mil (703) 697-0362
SRDR Resource Crystal Rudloff Crystal.H.Rudloff.CTR@mail.mil (571) 366-1434	**OSD CAPE-Operations Research Analyst** Daniel Germony Daniel.R.Germony.CIV@mail.mil (703) 901-8678

A survey about today's course will be sent out via our survey system later today/tomorrow!

CADE

COST ASSESSMENT DATA ENTERPRISE

Back Up

CSDR Policy: All CSDR DIDs
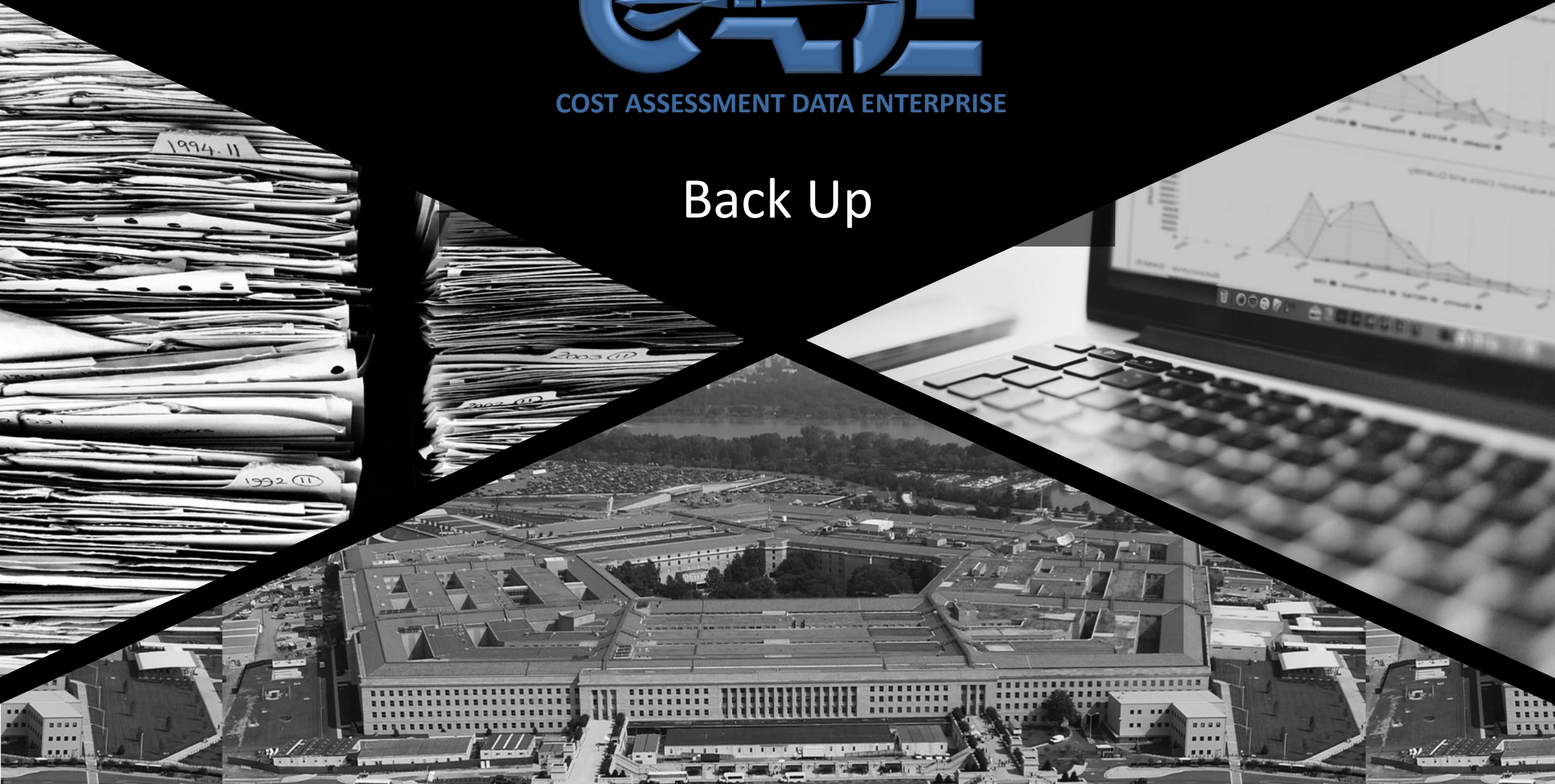
- ## CSDR DID DI-FNCL-81565C (and other CSDR DIDs):
  - A Prime Contractor: "For the purposes of CSDR reporting, a prime contractor is any contractor that has a direct contract with the Government. The name and address of the prime contractor is provided in Section A of the contract (Standard Form 26, Item 7). Any other contractor associated with the contract is considered to be an associate or subcontractor."
  - A Subcontract: "A contractual arrangement between a prime contractor and one or more other contractors in which the Government has no direct legal relationship. In a subcontract, a direct legal relationship exists only between the Prime Contractor and one or more other contractors. A subcontract includes any agreement, purchase order, or contractual instrument other than a prime contract calling for supplies or services required for the performance of one or more prime contracts. It usually covers procurement of major components or subsystems that require the subcontractor(s) to do extensive design, development, engineering, and testing to meet a prime contractor's procurement specifications."
  - Page 2, under "Requirements – 4. Implementation" that, "Contractors are responsible for implementing CCDR requirements on all subcontracts that meet the reporting thresholds".

CSDR Statute: 10 USC 2334

- <u>NDAA 2017 (Sec. 842) added:</u>

- (g) Guidelines and Collection of Cost Data.-(1) The Director of Cost Assessment and Program Evaluation shall, in consultation with the Under Secretary of Defense for Acquisition, Technology, and Logistics, develop policies, procedures, guidance, and a collection method to ensure that quality acquisition cost data are collected to facilitate cost estimation and comparison across acquisition programs.

- (2) The program manager and contracting officer for each acquisition program in an amount greater than $100,000,000, in consultation with the cost estimating component of the relevant military department or Defense Agency, shall ensure that cost data are collected in accordance with the requirements of paragraph (1).

- (3) The requirement under paragraph (1) may be waived only by the Director of Cost Assessment and Program Evaluation.

DFARS 234.7100 – 234.7101

234.7100 Policy.

(a) The cost and software data reporting (CSDR) requirement is mandatory for major defense acquisition programs (as defined in 10 U.S.C. 2430), and major automated information system programs (as defined in 10 U.S.C. 2445a) as specified in DoDI 5000.02, Operation of the Defense Acquisition System and the DoD 5000.04–M–1, CSDR Manual. The CSDR system is applied in accordance with the reporting requirements established in DoDI 5000.02. The two principal components of the CSDR system are contractor cost data reporting and software resources data reporting.

(b) Prior to contract award, contracting officers shall consult with the Defense Cost and Resource Center to determine that the offeror selected for award has proposed a standard CSDR system, as described in the offeror's proposal, in response to the provision at 252.234–7003, that is in compliance with DoDI 5000.02, Operation of the Defense Acquisition System, and the DoD 5000.04–M–1, CSDR Manual.

(c) Contact information for the Defense Cost and Resource Center and the Deputy Director, Cost Assessment, is located at PGI 234.7100 (DFARS/PGI view).

234.7101 Solicitation provision and contract clause.

(a) Use the basic or the alternate of the provision at 252.234-7003, Notice of Cost and Software Data Reporting System, in any solicitation that includes the basic or the alternate of the clause at 252.234-7004, Cost and Software Data Reporting.

   (1) Use the basic provision when the solicitation includes the clause at 252.234-7004, Cost and Software Data Reporting—Basic.

   (2) Use the alternate I provision when the solicitation includes the clause at 252.234-7004, Cost and Software Data Reporting—Alternate I.

(b) Use the basic or the alternate of the clause at 252.234-7004, Cost and Software Data Reporting System, in solicitations that include major defense acquisition programs or major automated information system programs as follows:

   (1) Use the basic clause in solicitations and contracts for major defense acquisition programs or major automated information system programs that exceed $50 million.

   (2) Use the alternate I clause in solicitations and contracts for major defense acquisition programs or major automated information system programs with a value equal to or greater than $20 million, but less than or equal to $50 million, when so directed by the program manager with the approval of the OSD Deputy Director, Cost Assessment.

252.234-7003 Notice of Cost and Software Data Reporting System - Basic (NOV 2014)

(a) This solicitation includes -

   (1) The Government-approved cost and software data reporting (CSDR) plan for the contract, DD Form 2794; and

   (2) The related Resource Distribution Table.

(b) As part of its proposal, the Offeror shall -

   (1) Describe the process to be used to satisfy the requirements of the DoD 5000.04-M-1, CSDR Manual, and the Government-approved CSDR plan for the proposed contract;

   (2) Demonstrate how contractor cost and data reporting (CCDR) will be based, to the maximum extent possible, upon actual cost transactions and not cost allocations;

   (3) Demonstrate how the data from its accounting system will be mapped into the standard reporting categories required in the CCDR data item descriptions;

   (4) Describe how recurring and nonrecurring costs will be segregated;

   (5) Provide comments on the adequacy of the CSDR contract plan and related Resource Distribution Table; and

   (6) Submit the DD Form 1921, Cost Data Summary Report, and DD Form 1921-1, Functional Cost-Hour Report, with its pricing proposal.

(c) CSDR reporting will be required for subcontractors at any tier with a subcontract that exceeds $50 million. The offeror shall identify, by providing comments on the Resource Distribution Table, the subcontractors, or, if the subcontractors have not been selected, the subcontracted effort in this category.

CSDR Requirements: DoDI 5000.02 (p.73)

- <u>Contractor Cost Data Report (CCDR):</u>

  - Required for "all major contract and subcontracts, regardless of contract type" subsequent to MS A approval, valued at more than $50M (then-year dollars).

  - Not required when (requested waiver is DDCA approved):

    - Procuring commercial systems

    - Procurement of non-commercial systems under competitively priced FFP contracts, as long as competitive conditions continue to exist

- <u>Contract Business Data Report (CBDR):</u>

  - Required for all business entities responsible for contracts with CSDR requirements

<u>**Definitions**</u>:
<u>*Subcontract*</u>: "For CSDR purposes, the term "contract" (or "subcontract") may refer to the entire standalone contract, to a specific task or delivery order, to a series of tasks or delivery orders, to a contract line item number, or to a series of line item numbers within a contract."

<u>*Contract Value*</u>: "For CSDR purposes, contract value will represent the estimated price at contract completion (i.e., initial contract award plus all expected authorized contract changes) and *be based on the assumption that all contract options will be exercised*."

2020 Update to DoDI 5000.73

MAJOR CAPABILITY ACQUISITION

- CAPE conducts or approves independent cost estimates (ICEs) for MDAPs and major subprograms prior to:
  - Milestone A
  - Milestone B
  - Low rate initial production
  - Full rate production
  - At any other time considered appropriate by DCAPE
  - Upon the request of USD(A&S) or the milestone decision authority

- CAPE may conduct or approve an ICE or cost analysis to inform the Development Request for Proposal Release Decision Point

- At the discretion of DCAPE or upon the request of the Secretary of the Military Department, CAPE conducts or approves ICEs for sustainment reviews

- CAPE conducts independent cost analysis for certifications following critical Nunn-McCurdy breaches

- CAPE conducts a preliminary cost analysis and final cost analysis for multiyear procurement contracts

2020 Update to DoDI 5000.73

SOFTWARE

- CAPE or the SCA must conduct an ICE for programs likely to exceed ACAT I or II thresholds prior to the program entering the execution phase
- The ICE may be updated during the execution phase
- Estimates for programs that do not exceed ACAT II thresholds must be conducted in accordance with the policies and procedures issued by the SCA

DEFENSE BUSINESS SYSTEMS

- CAPE may conduct a cost estimate for defense business systems
- For all other defense business systems, the SCA or designated organization will conduct cost analyses in accordance with guidance issued by the SCA

CONTRACTED SERVICES

- CAPE may conduct a cost estimate for acquisition of a contracted service
- All other cost estimates for contracted services must be conducted in accordance with the policies and procedures issued by the SCA

Cost Analysis Improvement Requirements - OSD Memo dated June 9, 2017

Standard Data Plans
Provides lower level detail than MIL-STD-881D
Sustainment Functional Cost-Hour Report (1921-5)
All sustainment contracts over $50M
Indefinite Delivery/Indefinite Quantity (IDIQ)
Any IDIQ contract over $50M
New SRDR Formats
Software Maintenance (contracts over $1M annually)
Enterprise (ERP) Software
Data Collection for Government efforts
All contracts over $50M

OFFICE OF THE SECRETARY OF DEFENSE
1000 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-1800

JUN -9 2017

COST ASSESSMENT AND
PROGRAM EVALUATION

MEMORANDUM FOR UNDER SECRETARY OF DEFENSE (ACQUISITION, TECHNOLOGY, AND LOGISTICS)
ASSISTANT SECRETARY OF THE ARMY (ACQUISITION, LOGISTICS AND TECHNOLOGY)
ASSISTANT SECRETARY OF THE ARMY (FINANCIAL MANAGEMENT AND COMPTROLLER)
ASSISTANT SECRETARY OF THE NAVY (RESEARCH, DEVELOPMENT AND ACQUISITION)
ASSISTANT SECRETARY OF THE NAVY (FINANCIAL MANAGEMENT AND COMPTROLLER)
ASSISTANT SECRETARY OF THE AIR FORCE (ACQUISITION)
ASSISTANT SECRETARY OF THE AIR FORCE (FINANCIAL MANAGEMENT AND COMPTROLLER)

SUBJECT: DoD Cost Analysis Data Improvement

Reliable and comprehensive cost data is essential to produce credible cost estimates as required in both statute and regulation. CAPE, in collaboration with Army, Navy and Air Force cost centers, has strategically planned and implemented updates to improve cost data collection in DoD. Our goals with the updates are to: improve data collection; improve analyst productivity and quality of cost estimates; close data gaps; and provide the cost, acquisition, and resource allocation organizations with data required for better analysis and decision making. The key lines of effort in this cross-community plan include the following updates to current DoD policies:

- Cost Analysis Requirements Description (CARD)
- Standard Data Plans
- Software Resources Data Report (SRDR)
- Contractor Cost Data Report (CCDR) for Sustainment
- Knowledge Sharing and Data Storage
- Data Collection on Government-Performed Efforts
- Data Collection on Indefinite Delivery/Indefinite Quantity (IDIQ) Contracts
- Strategic Co-Planning

Each update, its corresponding policy or guidance, and points of contact can be found at http://cade.osd.mil/. A summary of these initiatives is provided in the attachment to this memorandum. Together these updates will greatly improve the ability of the DoD cost analysis community to support acquisition and resourcing organizations in the Department.

Jamie M. Morin
Director

Attachment: As stated

Courtesy of Ms. Shevonne Stanley, NAVAIR 4.2

2017 National Defense Authorization Act (NDAA)- OSD Memo dated February 16, 2018

All Acquisition programs with total estimated expenditure over $100M must implement cost reporting

Clarifies cost reporting requirements for ACAT II, III, and IV Programs

Established NON ACAT I "Pilot" Initiative

OFFICE OF THE SECRETARY OF DEFENSE
1800 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-1800

FEB 16 2018

COST ASSESSMENT AND PROGRAM EVALUATION

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
UNDER SECRETARIES OF DEFENSE
DEPUTY CHIEF MANAGEMENT OFFICER
CHIEFS OF THE MILITARY SERVICES
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE
DEPARTMENT OF DEFENSE CHIEF INFORMATION OFFICER
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Implementation of Data Reporting Requirements for Acquisition Programs in Accordance with the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2017

Section 842 of the NDAA for FY 2017 (Public Law 114-328) amended section 2334 of title 10, United States Code (section 2334), to require that the Director of Cost Assessment and Program Evaluation (CAPE) develop policies, procedures, guidance, and a collection method to ensure that quality acquisition cost data are collected to facilitate cost estimation and comparison across acquisition programs. Further, the Department is to ensure that cost data is collected in accordance with these policies and procedures for each acquisition program in an amount greater than $100 million. This memorandum sets forth policies and procedures and an implementation plan in accordance with section 2334(g).

The amended section 2334 greatly expands the cost data reporting requirement to all acquisition programs with eventual total expenditures of $100 million. In particular, the Department needs to improve visibility into the planned resources and actual expenditures for Acquisition Category (ACAT) II, III, and IV acquisition programs that meet this criterion. It is essential that the Department obtain improved internal visibility into this information to enable the development of sound cost reporting policies and procedures for this category of programs.

To improve the Department's visibility into this information, CAPE will create a working group to improve the quality of the information that is collected on acquisition programs that are below ACAT I program resource thresholds but that exceed the resource threshold specified in section 2334(g). The working group will create a reporting mechanism for use by DoD components that will allow programs below the ACAT I threshold to submit historical actual and planned future funding information for use in the DoD Enterprise. This reporting of improved funding information will be implemented with the submission of the FY 2020 Program Objective Memoranda (POMs) next year. The working group will also identify instances in which the Director, CAPE, may elect to waive collection of cost data from an entity (e.g., the contractor involved is a very small business, collection would not be cost effective, etc.). Finally, the working group will recommend whether a legislative proposal is necessary to refine the requirements in section 2334(g), and if so, draft such a proposal. By March 15, 2018, I request that each DoD Component designate a representative to participate in the working group by

Courtesy of Ms. Shevonne Stanley, NAVAIR 4.2

Rapid Acquisition Programs

Rapid Prototyping Rapid Fielding

All Acquisition programs with total estimated expenditure over $100M
(NDAA 2017)
(inclusive of development, procurement and system specific military construction)

All contracts greater than $20M (regardless of contract type)

CSDR plan must be approved in 21 calendar days from day submitted to DCARC

OFFICE OF THE SECRETARY OF DEFENSE
1800 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-1800

AUG 30 2018

COST ASSESSMENT AND
PROGRAM EVALUATION

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
UNDER SECRETARIES OF DEFENSE
CHIEF MANAGEMENT OFFICER
CHIEFS OF THE MILITARY SERVICES
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE
DEPARTMENT OF DEFENSE CHIEF INFORMATION OFFICER
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Implementation of Cost Data Reporting Requirements for Middle Tier Acquisition Programs

Reference: (a) Implementation of Data Reporting Requirements for Acquisition Programs in Accordance with the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2017, February 16, 2018

Section 842 of the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2017, Public Law 114-328, amended section 2334 of title 10, United States Code (section 2334), to require that the Director of Cost Assessment and Program Evaluation (CAPE), in consultation with the Under Secretary of Defense for Acquisition and Sustainment, develop policies, procedures, guidance, and a collection method to ensure that quality acquisition cost data are collected to facilitate cost estimation and comparison across acquisition programs. In accordance with section 2334(g), this memorandum sets forth interim cost data reporting policies and procedures for rapid prototyping and rapid fielding programs executed under the Middle Tier acquisition authorities granted by Section 804 of the FY 2016 NDAA, Public Law 114-92, and serves as a supplement to Reference (a).

Consistent with section 2334, cost data reporting is required for all Middle Tier acquisition programs with total estimated acquisition expenditures greater than $100 million. For the purposes of this threshold, total estimated acquisition expenditures are the estimated total cost for development, procurement, and system-specific military construction for the defined Middle Tier acquisition program. For covered programs, cost reporting is required to be submitted to CAPE for all contracts and individual efforts (e.g., scope performed by Government organizations) greater than $20M in accordance with the attached Middle Tier policies and procedures. The Deputy Director of Cost Assessment shall be responsible for approval of cost data collection plans for programs that are projected to require an eventual total expenditure of greater than $480M (FY14 $) for research, development, test and evaluation (RDT&E) or greater than $2.79B (FY14 $) for procurement. The MILDEP Cost Center Director shall be responsible for approval of cost data collection plans for Middle Tier acquisition programs anticipated to require expenditures of less than $480M (FY14 $) for RDT&E and less than $2.79B (FY14 $) for procurement. The Deputy Director of Cost Assessment shall be responsible for cost reporting waivers for all Middle Tier programs.

Courtesy of Ms. Shevonne Stanley, NAVAIR 4.2

All ACAT II programs, for any contract or subcontract over $50M
Any high risk/technical/ interest contract between $20M -$50M as determined by CWIPT, Program Manager, or DDCA
Service Cost Center Approval Authority
Cost reporting waived for all ACAT III and IV programs unless identified as "Pilot" program in 2/16/2018 OSD Memo

OFFICE OF THE SECRETARY OF DEFENSE
1800 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-1800

COST ASSESSMENT AND
PROGRAM EVALUATION

JAN 0 4 2019

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
UNDER SECRETARIES OF DEFENSE
CHIEF MANAGEMENT OFFICER
CHIEFS OF THE MILITARY SERVICES
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE
DEPARTMENT OF DEFENSE CHIEF INFORMATION OFFICER
DIRECTORS OF THE DEFENSE AGENCIES
DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Updated Implementation of Cost Data Reporting Requirements in Accordance with Section 2334(g)

References: (a) Implementation of Data Reporting Requirements for Acquisition Programs in Accordance with the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2017, February 16, 2018
(b) Implementation of Cost Data Reporting Requirements for Middle Tier Acquisition Programs, August 30, 2018

Section 842 of the National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2017, Public Law 114-328, amended section 2334 of title 10, United States Code (section 2334), to require the Director of Cost Assessment and Program Evaluation (CAPE), in consultation with the Under Secretary of Defense for Acquisition and Sustainment, develop policies, procedures, guidance, and a collection method to ensure quality acquisition cost data is collected to facilitate cost estimation and comparison across acquisition programs. In accordance with section 2334(g), this memorandum updates existing cost data reporting policies and in doing so supersedes Reference (a).

Cost and Software Data Reporting (CSDR), consistent with the requirements of DoDI 5000.02, Table 7 of Enclosure 1, is now required for ACAT II programs. Cost reporting plan approval for ACAT II programs is delegated to the MILDEP Cost Center Director or the Component equivalent. Consistent with statute, the waiver of cost reporting requirements on required programs may only be granted by the CAPE Deputy Director, Cost Assessment.

In accordance with military department requests, CSDR requirements are waived for specific ACAT II programs as shown in Attachment A. Also, CSDR requirements are waived for all ACAT II contracts with a planned final Request for Proposal (RFP) release prior to March 1, 2019. As is the case for all CSDR requirements, tailoring will be considered on a case-by-case basis by the relevant approval authority to ensure the Department receives meaningful insight into actual costs that is useful for preparation of cost forecasts, while minimizing the burdens associated with cost reporting.

1

Note: Deputy Director of Cost Assessment (DDCA) retains waiver authority

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Courtesy of Ms. Shevonne Stanley, NAVAIR 4.2

FlexFile Requirements -OSD Memo dated March 22, 2019

Applicable to all new contracts as of May 15, 2019
Usage of Legacy reports will be considered by CWIPT, with justification
Not intended to be applied retroactively
Implemented at the request of Program Office or Contractor
Contractor Submission Flexibility USG Excel Template Native Format in Excel JSON

OFFICE OF THE SECRETARY OF DEFENSE
1800 DEFENSE PENTAGON
WASHINGTON, D.C. 20301-1800

2 2 MAR 2019

COST ASSESSMENT AND
PROGRAM EVALUATION

MEMORANDUM FOR UNDER SECRETARY OF DEFENSE (ACQUISITION
AND SUSTAINMENT)
ASSISTANT SECRETARY OF THE ARMY (ACQUISITION,
LOGISTICS AND TECHNOLOGY)
ASSISTANT SECRETARY OF THE ARMY (FINANCIAL
MANAGEMENT AND COMPTROLLER)
ASSISTANT SECRETARY OF THE NAVY (RESEARCH,
DEVELOPMENT AND ACQUISITION)
ASSISTANT SECRETARY OF THE NAVY (FINANCIAL
MANAGEMENT AND COMPTROLLER)
ASSISTANT SECRETARY OF THE AIR FORCE (ACQUISITION)
ASSISTANT SECRETARY OF THE AIR FORCE (FINANCIAL
MANAGEMENT AND COMPTROLLER)

SUBJECT: Implementation of Cost and Hour Report (FlexFile) and Quantity Data Reports
Within the Cost and Software Data Reporting (CSDR) System

For several years my office has been working towards modernizing the format and
content of the Cost and Software Data Reporting (CSDR) received by the Department. This
effort has primarily taken the form of the Cost and Hour Report, also known as the "FlexFile,"
and the associated Quantity Data Report. The Data Item Descriptions (DIDs) for these formats --
DI-FNCL-82162 and DI-MGMT-82164 -- were approved in November of 2017. Since that time,
we have worked with industry and the DoD cost estimating community to pilot these new
formats to ensure that they provide the most cost-effective means of collecting the historical cost
data the Department requires to develop credible cost estimates.

Beginning on May 15, 2019, the default cost reporting formats for new CSDR plans shall
be the FlexFile and Quantity Data Reports in place of the legacy DD 1921 series formats (i.e.,
DD 1921, 1921-1, 1921-2, and 1921-5). Format tailoring, to include the use of the legacy
formats, will be considered on a case-by-case basis through the current Cost Working Integrated
Product Team (CWIPT) process. This policy on new cost reporting formats does not apply to
CSDR plans approved prior to May 15, and any associated future revisions to those previously
approved plans. However, subject to the approval of Government program offices and
contracting officers for individual efforts, industry may choose to use these new DIDs in place of
legacy DD 1921 series requirements for previously-approved CSDR plans.

Courtesy of Ms. Shevonne Stanley, NAVAIR 4.2

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:	
		TDP ___ TM ___ OTHER	FNCL

D. SYSTEM/ITEM **E. CONTRACT/PR NO.** **F. CONTRACTOR**

1. DATA ITEM NO.	2. TITLE OF DATA ITEM		3. SUBTITLE
(XXXX)	Cost and Hour Report (FlexFile)		

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-FNCL-82162	SOW para (XX)	NAVAIR 4.2

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION			
LT		ASREQ (See Blk 16)	See Blk 16			b. COPIES	

8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	Draft	Final Reg	Repro
N/A	(See Blk 16)	See Blk 16	See Blk 16				

16. REMARKS

Block 9: No Distribution Statement Required. Distribution statements governed by DoDI 5230.24 "Distribution Statements on Technical Documents" do not apply to financial data including Software Resource Data Reports (SRDRs).

Blocks 10 - 14: Prepare the FlexFile in accordance with DI-FNCL-82162, (or the most recently approved version) and the OSD Deputy Director, Cost Assessment (DDCA)-approved Contract Cost and Software Data Reporting (CSDR) Plan (DD Form 2794). The OSD DDCA-approved Contract CSDR Plan is included as a contract attachment (XX).
Contractors shall be required to submit the FlexFile at frequencies specified in the OSD DDCA approved Contract CSDR Plan in the contract. The Contract CSDR Plan uses the event field as the driver for the submission of the reports, not the "As of Date." If the event slips, the contractor must notify the Government Program Office that a date change is needed. It is the responsibility of the Government Program Office to submit a date change request for the event-driven date through the CSDR Submit-Review (CSDR-SR) system for approval by the Defense Cost and Resource Center (DCARC) before the date reflected in the OSD DDCA approved Contract CSDR Plan occurs.

The Government requests that all previously reported Tier 2 standard functional categories be reported in the Cost-Hour (FlexFile). The FlexFile shall be delivered in MS Excel (.xlsx) or comma separated values (.csv) in the contractor's format of choosing, so long as it fulfills the requirements of the Contract CSDR Plan and is in accordance with the FlexFile DID or in JavaScript Object Notation (JSON) as described in the FlexFile File Format Specification (FFS) and Data Exchange Instructions (DEI) referenced in the FlexFile DID Section III. All FlexFiles shall be submitted electronically using the CSDR-SR website at https://cade.osd.mil. Data submitters must register through the DCARC website and possess a DoD-approved ECA digital certificate or DoD-issued CAC to obtain a DCARC Portal account and be authorized to upload content. Users can obtain access by submitting user information about themselves and their organizations to the DCARC Portal and requesting a CSDR submitter user role. All DCARC Portal accounts need to be renewed at least annually.

Subcontractor Reporting: Prime contractors are responsible for flowing down existing CSDR requirements contained in their prime contracts to all subcontractors who meet the reporting thresholds specified in the DoDI 5000.02, or as required by the CWIPT. The prime contractor shall be required to work with the CWIPT and all appropriate subcontractors to prepare a separate Subcontract CSDR Plan for submission to the DCARC for DDCA approval.

a. ADDRESSEE	Draft	Reg	Repro
DCARC See Block 16		1	
15. TOTAL	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

Standard CSDR Request for Proposal (RFP) Template

DFARS 252.234-7003, Notice of Cost and Software Reporting System

The contractor shall systematically collect and report actual contract costs to provide DoD cost analysts with needed data to estimate future costs. Contractor reports shall be prepared in accordance with the instructions contained in the most recently approved versions of **DI-FNCL-81565C and (DI-FNCL-81566C or DI-FNCL-81992) OR DI-FNCL-82162 and DI-MGMT-82164**

IAW DODI 5000.02 and DFARS 252.234-7003, Notice of Cost and Software Reporting System:

1) This solicitation includes:
    a) The Government-approved Contract Cost and Software Data Reporting (CSDR) Plan, DD Form 2794; and
    b) The related Resource Distribution Table.
2) The contractor as part of the response to the solicitation will:
    a) Describe the process to be used to satisfy the requirements of the DoD 5000.04-M-1, CSDR Manual, and the Government-approved Contract CSDR Plan for the proposed contract;
    b) Demonstrate how contractor cost and data reporting (CCDR) will be based, to the maximum extent possible, upon actual cost transactions and not cost allocations;
    c) Demonstrate how the data from its accounting system will be mapped into the standard reporting categories required in the CCDR data item descriptions;
    d) Describe how recurring and nonrecurring costs will be segregated;
    e) Submit the **DD Form 1921 Cost Data Summary Report, and DD Form 1921–1 Functional Cost-Hour Report** / **1921-5, Sustainment Functional Cost-Hour Report**, or **Cost and Hour Report (FlexFile)** in specified format (JSON, USG Three (3) Part Template, or Contractor Native), and **Quantity Data Report** with its pricing proposal.
    f) The contractor will identify any subcontractor at any tier with a subcontract that exceeds $50 million, by providing comments on the Resource Distribution Table, the subcontractors, or, if the subcontractors have not been selected, the subcontracted effort in this category and provide to the Government.

Standard CSDR Statement of Work (SOW) Template

1.1.1   Cost and Software Data Reporting (CSDR)

The Contractor shall use a documented standard Cost and Software Data Reporting (CSDR) process that satisfies the guidelines contained in the DoD 5000.04–M–1, CSDR Manual.

1.1.1.1 **Contractor Cost Data Reporting (CCDR)**

The Contractor shall:

a. Use the Government-approved Contract Cost and Software Data Reporting (CSDR) Plan, DD Form 2794, and the related Resource Distribution Table (RDT) as the baseline for reporting provided as contract attachment (**X**);

b. Prepare and deliver to the Government a Cost and Hour Report (FlexFile) (**CDRL AXXX**) for every indicated data element (Data Group B) within the Government-approved Contract CSDR Plan;

c. Provide a Work Breakdown Structure (WBS) Dictionary and Remarks as a part of the FlexFile format (Data Group C) for every data element identified within the approved Contract CSDR Plan.

d. Prepare and deliver to the Government a Quantity Data Report (**CDRL BXXX**) for every indicated data element (Data Group B) within the Government-approved Contract CSDR Plan;

e. Prepare and deliver to the Government the Maintenance and Repair (M/R) report in accordance with **(CDRL CXXX)**. The cost elements to be included in the M/R will be determined at the post award conference.

f. Prepare and deliver to the Government DD Form 1921-3 (**CDRL DXXX**) (**Remove if not applicable**);

g. Provide updates to the Government-approved Contract CSDR Plan and related RDT for Government approval. Updates include: aligning reporting Subcontractor effort to a single WBS element and updating the RDT as new Subcontracts are awarded;

h. Hold a post award meeting after contract award to include a discussion of the Contractor's standard cost and software data reporting process that satisfies the guidelines contained in the DoD 5000.04-M-1 (CSDR Manual) and the requirements in the Government-approved Contract CSDR Plan and related RDT.

DFARS 252.234-7004 Cost and Software Data Reporting System

1.1.1.2 Subcontractor Cost Data Reporting

The Contractor shall:

a. Flow-down Contractor Cost and Software Data Reporting (CSDR) requirements to any Subcontracts valued over $50 million or any Subcontracts valued between $20 million and $50 million that are designated by the Cost Working Integrated Product Team (CWIPT) as high risk, high value, high technical interest or an middle-tier acquisition (804);

b. Notify the Government of any subcontractor changes or new subcontracts awarded for subcontracts that exceeds $50 million;

c. Flow-down DD Form 1921-3 (**CDRL DXXX**) to any Subcontractors required to submit Cost and Software Data Reporting. (**Remove 1921-3 requirement if not applicable**)

Please edit the selections in red and use one paragraph below, if applicable.

DFARS 252.234-7004 Cost and Software Data Reporting System

1.1.1.3 Software Resources Data Reporting (SRDR): Development and Maintenance Reports and Data Dictionary

The Contractor shall:

a. Provide the Government with information on the software development size, context, and technical information for the entire software product;

b. Prepare and deliver to the Government DD Form 3026-1, Software Development Report (**CDRL EXXX**) for every data element within the Government-approved Contract CSDR Plan, DD Form 2794 provided as contract attachment (**X**);

c. Flow down all SRDR requirements to subcontracts valued over $20M (then-year dollars) or any subcontracts priced below $20 million designated by the Cost Working Integrated Product Team (CWIPT) as high-risk or high-technical-interest.

OR

The Contractor shall:

a. Provide the Government with information on the software maintenance size, context and technical information for the entire software maintenance effort;

b. Prepare and deliver to the Government DD Form 3026-2, Software Maintenance Report (**CDRL FXXX**) for every data element within the Government-approved Contract CSDR Plan, DD Form 2794 provided as contract attachment (**X**);

c. Flow down all SRDR requirements to all subcontracts whose software maintenance scope is valued over $1M per year (then-year dollars).

Browse CSDR Submissions

- Apply filters to narrow down search

Use **Report Type** to select CCDR, SRDR or CWBS Dictionary

This slide displays example data, created for educational purposes, rather than actual contractor data.

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Browse CSDR Submissions Details Page

◐ Back to Search

Submission Metadata

Program:	**STRYKER - Armored Vehicle**	Phase:	**N/A**
MIL-STD:	**SURFACE VEHICLE**	Contract Task:	**30MM Cannon Phase 2 Development**
Contract #:	**STRYKER ICV LETHALITY UPGRADE PHASE II DEVELOPMENT**	Sub Event:	**Stryker ICV Lethality Upgrade Phase II Development**
Reporting Ctr:	**General Dynamics Corporation**	Report Cycle:	**Initial**
Division:	**Land Systems Division**	As Of Date:	**12/31/2019**
Location:	**Sterling Heights, MI**	Plan #:	**WBS given in original submission**
Prime/Sub:	**Prime**	Submission ID:	**47866**

Submission Files

Header Data | **1921 Cost Data**

Formatted File Export | **Export to Excel**

WBS ELEMENT CODE	WBS REPORTING ELEMENTS	NUMBER OF UNITS TO DATE	COSTS INCURRED TO DATE (thousands of U.S. Dollars)			NUMBER OF UNITS AT COMPLETION	COSTS INCURRED AT COMPLETION (thousands of U.S. Dollars)		
			NONRECURRING	RECURRING	TOTAL		NONRECURRING	RECURRING	TOTAL
1.0	TOTAL	10	$4452822977.0	$4449920771.0	$8902743748.0	10/0	$4452822977.0	$4449920771.0	$8902743748.0
1.1	Subsystem 1.1	20	$3598704958.0	$3594763883.0	$7193468841.0	20/0	$3598704958.0	$3594763883.0	$7193468841.0
1.1.1	Subsystem 1.1.1	0	$15571725.0	$15540979.0	$31112704.0	0	$15571725.0	$15540979.0	$31112704.0
1.1.2	Subsystem 1.1.2	200	$36076646.0	$36099436.0	$72176082.0	200/0	$36076646.0	$36099436.0	$72176082.0
1.1.3	Subsystem 1.1.3	0	$105062496.0	$104141873.0	$209204369.0	0	$105062496.0	$104141873.0	$209204369.0
1.1.4	Subsystem 1.1.4	0	$3205411874.0	$3201941379.0	$6407353253.0	0	$3205411874.0	$3201941379.0	$6407353253.0
1.1.4.1	Subsystem 1.1.4.1	0	$811353545.0	$810383227.0	$1621736772.0	0	$-	$-	$-
1.1.4.2	Subsystem 1.1.4.2	0	$1271507537.0	$1268989134.0	$2540496671.0	0	$-	$-	$-
1.1.4.3	Subsystem 1.1.4.3	0	$15901322.0	$15945578.0	$31846900.0	0	$-	$-	$-
1.1.4.4	Subsystem 1.1.4.4	0	$679893027.0	$682025741.0	$1361918768.0	0	$-	$-	$-
1.1.4.5	Subsystem 1.1.4.5	0	$74647228.0	$75129132.0	$149776360.0	0	$-	$-	$-
1.1.4.6	Subsystem 1.1.4.6	0	$352109215.0	$349468567.0	$701577782.0	0	$-	$-	$-
1.1.5	Subsystem 1.1.5	0	$236582217.0	$237040216.0	$473622433.0	0	$236582217.0	$237040216.0	$473622433.0
1.1.5.1	Subsystem 1.1.5.1	0	$11504988.0	$11503700.0	$23008688.0	0	$-	$-	$-
1.1.5.2	Subsystem 1.1.5.2	0	$18999518.0	$19017065.0	$38016583.0	0	$-	$-	$-
1.1.5.3	Subsystem 1.1.5.3	0	$21234824.0	$21293666.0	$42528490.0	0	$-	$-	$-
1.1.5.4	Subsystem 1.1.5.4	0	$50216239.0	$50251521.0	$100467760.0	0	$-	$-	$-
1.1.5.5	Subsystem 1.1.5.5	0	$17939627.0	$17985623.0	$35925250.0	0	$-	$-	$-
1.1.5.6	Subsystem 1.1.5.6	0	$116687021.0	$116988641.0	$233675662.0	0	$-	$-	$-
1.2	Subsystem 1.2	0	$46416008.0	$46624880.0	$93040888.0	0	$46416008.0	$46624880.0	$93040888.0
1.3	Subsystem 1.3	0	$432744539.0	$432534470.0	$865279009.0	0	$432744539.0	$432534470.0	$865279009.0
1.3.1	Subsystem 1.3.1	0	$349900225.0	$349585498.0	$699485723.0	0	$349900225.0	$349585498.0	$699485723.0
1.3.2	Subsystem 1.3.2	0	$60594104.0	$60678795.0	$121272899.0	0	$60594104.0	$60678795.0	$121272899.0

File Name

📄 Round 3_STRYKER_GDLS 30MM Production_Jan17_D...

📄 Round 3_STRYKER_GDLS 30MM Production_DO5.zip

Bulk download submission files

Export ...

...ad All

Administrative Files

File Name

📄 CSDR Cost and Hour Report Template_STRYKER RI...

Parsed 1921-Series Reports

Report Name	Derived From	As Of Date	Subtotal, At Complete ($k)			% Complete	Actions
			NR	Rec	Tot		
Stryker ICV Lethality Upgrade Phase II Development							🔍 📄 ▦

Download excel version of formatted 1921 & flat file export *(metadata, remarks & definitions)*

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Browse CSDR Submissions Details

Apply filters to narrow down search, including Report Type

Use **Report Type** to select CCDR or SRDR...

Clear All

Keywords		☑ Include Legacy Submissions	☑ Include WBS Elements	Report Type
Commodity		Program		Phase
Reporting Contractor		Prime/Sub		Contract Type
Service		Published _____ thru _____		As of _____

...then use **Report Type** column header to isolate specific types (e.g., FlexFile, SRDR Initial)

Specify whether to include non-flat-file-exportable reports

📑 **Submissions (9398)**　🗄 **CCDR Reports (8149)**

Running tally of Reports that match filter criteria

Report Type ▼	Report Cycle ▼	# of Reports
FlexFile,Quantity Data Report		
FlexFile		

Show items with value that:

Contains ▼

flex

| Filter | Clear |

Data Access – Data and Analytics

Browse CSDR Submissions

Commodity	Program	Phase
(all)	(all)	(all)

Reporting Contractor	Prime / Sub	Contract Type
(all)	(all)	(all)

Service	Publish Date (min)	Publish Date (max)	As of Date (min)	As of Date (max)
(all)	mm/dd/yyyy	mm/dd/yyyy	mm/dd/yyyy	mm/dd/yyyy

Report Type			
(all)	Enter a contract number or keyword...	Go	☑ Include Legacy Submissions	Clear All

First 500 of 6303 results retrieved. Add filters to narrow your selection.

Group data by dragging column headers here

Program	Model	Contract Tasks	As of Date	Contract Number	Contractor Type	Reporting Contractor	Submission Event	Report Type	Report Cycle	# of Reports	# of Files
Example	Test	Round 0_PAC3 cplan	09/24/2018	XYZ-09-C-1234	Prime	TBD	FlexFile Test	FlexFile	Interim	1	2

|◄ ◄ 1 ► ►|

(File package limit is 500 submissions) Download Files Export Metadata

FlexFiles can be accessed using the Browse CSDR Submissions feature in Data & Analytics Utilize filters to narrow search results > select submission event.

This slide displays example data, created for educational purposes, rather than actual contractor data.

Data Access – CSDR-SR

An analyst can access a FlexFile in the CSDR-SR in four primary ways…

| Major Errors (3) | Minor Errors (7) | History | View Reports | References |

Contract Data | Report Data

This report was derived from a Flex-file. Click here to view associated tables

1 Export Excel Template | **2** Export Pivot Data

Report Name: LRIP 1

Header Data | 1921 Cost Data

3 Formatted File Export | **4** Export to Excel

WBS ELEMENT CODE	WBS REPORTING ELEMENTS	NUMBER OF UNITS TO DATE	COSTS INCURRED TO DATE (thousands of U.S. Dollars)			NUMBER OF UNITS AT COMPLETION	COSTS INCURRED AT COMPLETION (thousands of U.S. Dollars)		
			NONRECURRING	RECURRING	TOTAL		NONRECURRING	RECURRING	TOTAL
1.0	Ground Vehicle System	0	$114729323.1	$698279694.4	$813009017.5	0	$-	$-	$-
1.1	Family of Vehicles	0	$18727759.4	$620912367.1	$639640126.6	0	$-	$-	$-
1.1.1	Vehicle Integration, Assembly, Test and Checkout	0	$9558223.9	$141486091.4	$151044315.3	0	$10551929.5	$156195468.5	$166747398.1
1.1.2	Hull/Frame/Body/Cab	0	$-	$84391370.1	$84391370.1	0	$-	$93164985.1	$93164985.1
1.1.3	System Survivability	0	$-	$86317559.1	$86317559.1	0	$-	$95291427.3	$95291427.3
1.1.4	Turret Assembly	0	$524784.2	$-	$524784.2	0	$579342.5	$-	$579342.5
1.1.5	Suspension/Steering	0	$-	$106241434.3	$106241434.3	0	$-	$117286656.6	$117286656.6
1.1.6	Vehicle Electronics	0	$8362147.6	$49893978.4	$58256126.0	0	$9231505.0	$55081126.8	$64312631.8
1.1.7	Power Package/Drive Train	0	$-	$123728436.2	$123728436.2	0	$-	$136591666.9	$136591666.9
1.1.8	Auxiliary Automotive	0	$-	$25162403.2	$25162403.2	0	$-	$27778372.5	$27778372.5

1 **Export Excel Data Model Template**
FlexFile data provided in Excel data model structure

2 **Export Pivot Data**
Actual dollars and labor hours according to the data elements in Data Group E of the approved FlexFile DID

3 **Formatted File Export**
Excel version of formatted 1921 DD Form

4 **Export to Excel**
Excel flat file with Metadata, Remarks, and Definitions equivalent to that provided in the 1921 DD Form

This slide displays example data, created for educational purposes, rather than actual contractor data.